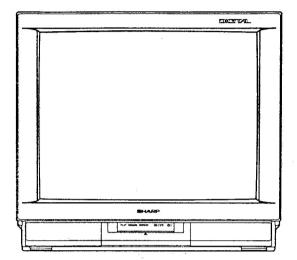
MODEL

SHARP

SERVICE MANUAL SERVICE-ANLEITUNG

SEAVDV6301S//

D 3000 CHASSIS



PAL/SECAM SYSTEM COLOUR TELEVISION PAL/SECAM SYSTEM FARBFERNSEHGERÄT

MODELLE MODELLE



In the interests of user-safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (in einigen Länder durch Sicherheitsvorschriften gefordert) sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.

| • ELECTRICAL SPECIFICATIONS 2 • TECHNISCHE DATEN • IMPORTANT SERVICE NOTES 3 • WICHTIGE-SERVICE-HINWEISE • SERVICE ADJUSTMENTS 5-8 • SERVICE-EINSTELLUNG • TROUBLESHOOTING TABLES 9-15 • FEHLERSUCHTABELLEN • CHASSIS LAYOUT DIAGRAM 27-28 • CHASSISANORDNUNGSPLAN • PRINTED WIRING BOARDS 29-34 • LEITERPLATTENEINHEITEN • SCHEMATIC DIAGRAMS AND WAVEFORMS 35-48 UND SIGNALFORMEN • BLOCK DIAGRAMS 49-61 • BLOCKSCHALTPLAN • PARTS LIST 63-73 • ERSATZTEILLISTE | |
|---|--|

ELECTRICAL SPECIFICATIONS

| Aerial input Impedance 75 ohm unbalanced |
|---|
| Convergence Self Converging System |
| Focus Bipotential electrostation |
| Audio Power Output Rating 10 Watt (MPO) × 2 |
| Intermediate Frequencies |
| Picture IF Carrier Frequency 38.9 MHz |
| Sound IF Carrier Frequency . 33.16 MHz/33.4 MHz |
| Colour Sub-Carrier Frequency 34.47 MHz |
| (Nominal) |

| Power Input | 103 Wh 6.5 cm × 13.4 cm 8 ohms × 2 units Magnetic |
|---------------|---|
| | |
| | |
| · | 1 1 C . 4 C |
| Tuning Ranges | VHF-Channels 2 to 12 |
| Tuning Ranges | UHF-Channels 21 to 69 CATV Special channels |

Specifications are subject to change without prior notice.

TECHNISCHE DATEN

| Antennen- |
|---|
| Eingangsimpedanz 75 ohm unsymmetrisch |
| Konvergenz Selbstkonvergierendes System |
| Scharfeinstellung Bipotential elektrostatisch |
| Ton-Ausgangsleistung 10 Watt (MPO) × 2 |
| Zwischenfrequenzen |
| Bild-ZF-Trägerfrequenz 38,9 MHz |
| Ton-ZF-Trägerfrequenz 33,16 MHz/33,4 MHz |
| Farb-Hilfsträgerfrequenz 34,47 MHz (Nominal) |
| |

| Netzspannung Leistungsaufnahme Lautsprechergröße Schwingspulenimpedanz Ablenkung Abstimmbereiche | 103 Wh 6,5 cm × 13,4 cm 8 ohms × 2 st Magnetisch VHF-Kanäle 2 bis 12 |
|--|--|
| Abstimmbereiche | UHF-Kanäle 21 bis 69 Sonderkanäle |

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.

To prevent electric shock, do not remove cover. No user — serviceable parts inside. Refer servicing to qualified service personnel.

WARNUNG

Das Chassis dieses Empfangsgerätes steht teilweise unter hohen Spannungen. Bei Wartungsarbeiten an diesem Chassis muß deshalb ein Isolationstransformator zwischen dem Netzkabelstecker und der Steckdose verwendet werden.

Um elektrische Schläge zu vermeiden, darf das Abdeckgehäuse nicht entfernt werden. Im Inneren des Gerätes befinden sich keine von Benutzer einstellbaren Teile. Wartung und Reparaturarbeiten müssen qualifiziertem Service-Personal überlassen werden.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be carried out by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm resistor in series with an insulated wire (such as a test probe) between picture tube ground tag and high voltage lead (AC line cord should be disconnected from AC outlet).

- 1. Picture tube in this receiver employs integral implosion protection.
- 2. Replace with tube of the same type number for continued safety.
- 3. Do not lift picture tube by the neck.
- 4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed.

- 1. When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kV (at beam 1100 μ A) for the set.
- 2. To keep the set in a normal operation, be sure to make it function on 24.5 kV \pm 1.5 kV (at beam 1100 $\mu A)$ in the case of the set. The set has been factory adjusted to the above mentioned high voltage. If there is a possibility that the high voltage fluctuates as result of the repairs, never forget to check for such high voltage after the work.
- 3. Do not substitute a picture tube with unauthorized types or brands which may cause excess X-Ray radiation.

BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

- Inspect all lead insulation to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
- 2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.

WICHTIGE SERVICE-HINWEISE

Wartung und Reparaturarbeiten an diesem Empfänger sollten nur von qualifizierten kundendiensttechnikern ausgeführt werden.

WARTUNG DES HOCHSPANNUNGSSYSTEMS UND DER BILDRÖHRE

Bei Wartung des Hochspannungssystems leiten Sie dessen Statische Aufladung durch Zwischenschalten eines 10-kiloohm-Widerstandes mit Hilfe eines isolierten Drahtes (wie z.B. einer Prüfsonde) zwischen die leitende Graphitschicht der Bildröhre und die 2. Anodenleitung ab. (Der Netzkabelstecker solte dabei aus der Netzsteckdose gezogen werden.)

- 1. Für die Bildröhre in diesem Empfänger wird ein integrierter Implosionsschutz verwendet.
- 2. Ersetzen Sie die Bildröhre durch eine Röhre mit derselben Typennummer, um eine dauernde Sicherheit zu gewährleisten.
- 3. Heben Sie die Bildröhre nicht am Hals hoch.
- 4. Fassen Sie die Bildröhre nur dann an, wenn Sie eine splitterfreie Schutzbrille tragen und nachdem Sie die Hochspannung vollkommen ableiteten.

RÖNTGENSTRAHLUNG

Dieser Empfänger wurde so gebaut, daß Röntgenstrahlung auf einem absolutes Minimum gehalten wird. Da durch bestimmte Funktionsstörungen und Wartungsarbeiten beim längeren Ausgesetztsein in unmittelbarer Nähe eine eventuell gefährliche Strahlung verursacht werden kann, sollten die folgenden Vorsichtsmaßregeln beachtet werden:

- 1. Beim Reparieren der Schaltung darauf achten, daß die Stromstärke für das Gerät auf nicht mehr als 30,0 kV (Strahlstrom = 1100 $\,\mu$ A) erhöht wird.
- 2. Um das Gerät in normalen Betriebszustand zu halten, darauf achten, daß die Hochspannung 24,5 kV \pm 1,5 kV (Strahlstrom = 1100 $\,\mu$ A) beträgt. Das Gerät wurde im Werk auf die obenerwähnte Hochspannung eingestellt. Falls die Möglichkeit besteht, daß die Hochspannung infolge von Reparaturarbeiten schwankt, niemals vergessen, nach Beendigung der Arbeiten die Hochspannung zu überprüfen.
- 3. Die Bildröhre darf nicht gegen andere Typen oder Bildröhrenanderer Firmen ausgetauscht werden, da diese übermäßig hohe Röntgenstrahlung verursachen könnten.

VOR RÜCKGABE DES EMPFÄNGERS

Bevor der Empfänger an den Kunden zürückgegeben wird sollten Sie die folgenden Sicherheitsüberprüfungen vornehmen.

- Überprüfen Sie sämtliche Leitungen, um sich zu vergewissern, daß diese nicht eingeklemmet sind, oder daß sich keine Kleinteile zwischen dem Chassis und anderen Metallteilen im Empfänger befinden.
- Überprüfen Sie sämtliche Schutzvorrichtungen, wie z.B die nichtmetallischen Reglerknöpfe, Isolierpapiere. Gehäuserückseiten, Einstell- und Zwischenraumabdeckungen oder Abschirmungen, Isolierwiderstands-Kapazitätsnetzwerke, mechanische Isolatoren usw.

SERVICE ADJUSTMENT

PIF/AFT/SIF/AGC/+B ADJUSTMENT

1. VCO T204 for Picture

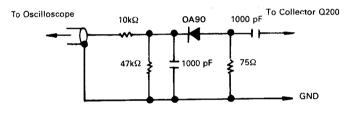
- 1. Apply 3V DC to pin 6 of IC200.
- 2. Measure and record voltage at pin(25) of IC200.
- 3. Apply carrier frequency of 38.9 MHz to pins@and@of IC200.
- 4. Adjust T204 to obtain same voltage value as step 2.

2. S detector T206 5.5 MHz for Sound

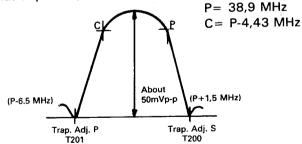
- 1. Apply carrier frequency of 5.5 MHz to pin (13) of IC200.
- 2. Connect DC voltmeter to pin (19) of IC200.
- 3. Adjust T206 to obtain 4.5 V at pin (19) of IC200.

3. Trap T201, T200

- 1. Connect sweep generator output to TUNER Test Point.
- 2. Connect response cable with detector to collector line of Q200 (see diagram).



3. Adjust T200 (Adj.-S Trap) and T201 (Adj.-P Trap) so that traps are (P + 1.5 MHz) and (P-6.5 MHz).



4. S2 Adjustment T208 5.74 MHz

- 1. Connect carrier frequency of 5.74 MHz to pin2 of
- 2. Connect Voltmeter to pin®of IC201.
- 3. Adjust T208 to obtain 3V DC.

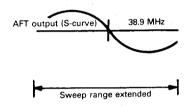
5. S-Level Adjustment R-231

- 1. Apply 3V DC to pin 6 of IC200.
- 2. Connect Stereo signal to base of Q201 (CH1, L+R) (CH2, 2R).
- 3. Connect oscilloscope to pin(22) of IC301 (IGR Unit).
- 4. Adjust R231 to obtain OV(rms).

6. AFT Adjust T205

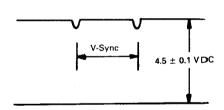
Coarse Adjustment

- 1. Connect sweep generator output to TUNER Test Point (T.P.).
- 2. Apply 3V DC to pin(6)of IC200.
- 3. Connect response lead (containing 10k ohm resistor in series) to pin 6 of IC200.
- 4. Adjust T205 to align Picture marker (38.9 MHz) of Scurve with base line.



Fine Adjustment

- 1. Short pins@and@of VC to ground.
- 2. Receive CH12 (Real CH mode).
- 3. Connect DC voltmeter to pin of FA.
- 4. Adjust T205 to obtain 4.5 V DC \pm 0.1 V.



7. RF AGC R219

- 1. Receive colour bar signal (signal strength: 53 dB).
- 2. Connect DC voltmeter to Test Point 201 (RF AGC).
- 3. Set AGC-VR (R219) to maximum position (memory).
- 4. Adjust R219 to obtain a voltage of 0.1V below maximum voltage (step 3).

8. +B 150 V Adjustment R716

- 1. Receive monoscope pattern signal.
- 2. Set contrast control to maximum (1)0%) position and brightness control to centre position (50%).
- 3. Connect DC voltmeter to cathode of D601.
- 4. Adjust R716 to obtain a voltage of 150 V \pm 0.5 V.

SERVICE MODE

Most of the adjustments required by this TV set can be made through the Remote Control Unit or by means of the push buttons on the television itself.

The first step is to remove the rear cover and press the service button (S1401) found on the Video Unit (PWB-B). When in Service Mode "SHARP Software Service Ver" will appear on the screen.

The required adjustments can then be made from the Remote Control Unit. Having finalized the adjustments, the service button should be pressed again to restore the television to its normal function.

In Service Mode the Remote Control buttons change their function. The only buttons required are the following: +CH/-CH for movement in adjustment options menu; +V/-V are used to carry out an adjustment in said menu; ON/OFF is used to memorize a new adjustment.

Adjustment menu is as follows:

- 1. Horizontal Phase Shift
- 2. Blanking Phase Shift
- 3. Vertical Phase
- 4. Vertical Size
- 5. S-Correction
- 6. Vertical Symmetry
- 7. Horizontal amplitude
- 8. East/West 1
- 9. Trapezoid 1
- 10. East/West 2

- 11. Trapezoid 2
- 12. Chroma-Luma Delay
- 13. VCO adjust
- 14. G2 adjustment (adj. by potentiometer in FBT)
- 15. Cut Off Red
- 16. Cut Off Green
- 17. Cut Off Blue
- 18. Drive Red
- 19. Drive Green
- 20. Drive Blue

Adjustment Note:

The procedure for making adjustments to East/West and Trapezoidal Corrections is as follows:

- Set Horizontal Amplitude to minimum.
- Set East/West 2 to minimum.
- Set Trapezoid 2 to minimum.
- Adjust East/West 1.
- Adjust Trapezoid 1.
- Adjust East/West 2.
- Adjust Trapezoid 2.
- Adjust Horizontal Amplitude.

1. Horizontal Phase Shift

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, picture moves to the right, and horizontal blanking appears on r.h.s.
- c) When volume-down button is pressed, picture moves to the left, and horizontal blanking appears on l.h.s.
- d) Adjust the horizontal phase to obtain a position where no horizontal blanking appears on either side (fig. 1).

2. Horizontal Blanking Phase Shift

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, picture moves to the left.
- c) When volume-down button is pressed, picture moves to the right.
- d) Adjust the horizontal location to obtain picture centering (fig. 2).

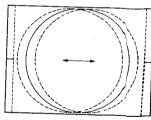


fig. 1

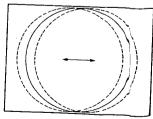


fig. 2

3. Vertical Phase

No adjustment required.

4. Vertical Size

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, vertical size of picture increases.
- c) When volume-down button is pressed, vertical size of picture decreases.
- d) Adjust the vertical size to obtain overscan (fig. 3).

5. S-Correction

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, upper and lower scanning decreases. and center scanning increases.
- c) When volume-down button is pressed, upper and lower scanning increases, and center scanning decreases.
- d) Adjust the S-correction to obtain a balance between upper, lower and center (fig. 4).

6. Vertical Symmetry

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, upper picture scanning decreases and lower picture scanning increases.
- c) When volume-down button is pressed, upper picture scanning increases and lower picture scanning decreases.
- d) Adjust the Vertical symmetry to obtain symmetrical scanning between upper and lower picture (fig. 5).

7. Horizontal Amplitude

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, horizontal scanning increases.
- c) When volume-down button is pressed, horizontal scanning decreases.
- d) Adjust the horizontal amplitude to obtain 9% overscan (fig. 6).

8. East/West 1

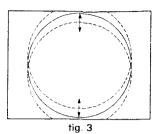
- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, side pincushion changes from pincushion to barrel shape.
- c) When volume-down button is pressed, side pincushion changes from barrel to pincushion shape.
- d) Adjust the East/West 1 to obtain condition as in fig. 7.

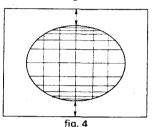
9. Trapezoid 1

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, side pincushion changes.
- c) When volume-down button is pressed, side pincushion changes.
- d) Adjust the Trapezoid 1 to obtain condition as in fig. 8.

10. East/West 2

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, side pincushion changes.
- c) When volume-down button is pressed, side pincushion changes.
- d) Adjust the East/West 2 to obtain condition as in fig. 9.





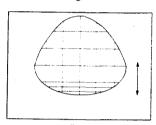


fig. 5

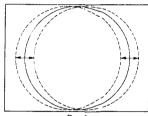


fig. 6

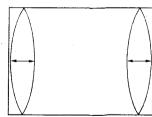
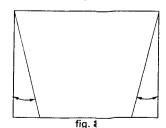
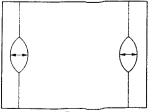
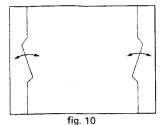
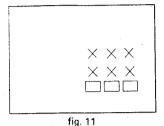


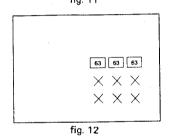
fig. 1

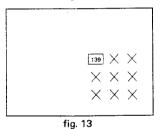


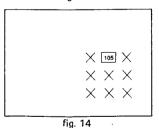


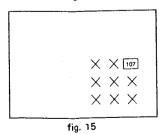












11. Trapezoid 2

- a) Receive Philips pattern signal
- b) When volume-up button is pressed, side pincushion changes.
- c) When volume-down button is pressed, side pincushion changes.
- d) Adjust the Trapezoid 2 to obtain condition as in Fig. 10.

12. Chroma-Luma Delay

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, luma phase delays.
- c) When volume-down button is pressed, chroma phase delays.
- d) Adjust the Chroma-Luma delay.

13. VCO Adjustment

- a) Receive Philips pattern signal.
- b) When volume-up button is pressed, VCO changes to high frequency.
- c) When volume-down button is pressed, VCO changes to low frequency.
- d) Adjust VCO to 4.43 MHz.

14. G2 Adjustment

- a) Receive monoscope pattern signal.
- b) First step, change mode to cutoff red.
- c) Adjust the value on the screen to 63 by the volume up/down button (Fig. 12).
- d) Second step, change mode to cutoff green.
- e) Same method as step (c).
- f) Third step, change mode cutoff blue.
- g) Same method as step (c).
- h) Change mode to G2 Adjust.
- i) Adjust the screen VR (G2) to obtain value of 20-40, three values for RGB appear on the screen (Fig. 11).

Adjustment is only required when Picture Tube is changed.

15. Cutoff Red

- a) Receive monoscope pattern signal.
- b) Wait for stable picture

16. Cutoff Green

- a) Receive monoscope pattern signal.
- b) Wait for stable picture

17. Cutoff Blue

- a) Receive monoscope pattern signal.
- b) Wait for stable picture

18. Drive Red

- a) Receive monoscope pattern signal.
- b) Adjust value on the picture to 139 (Fig. 13).
- c) Wait for stable picture

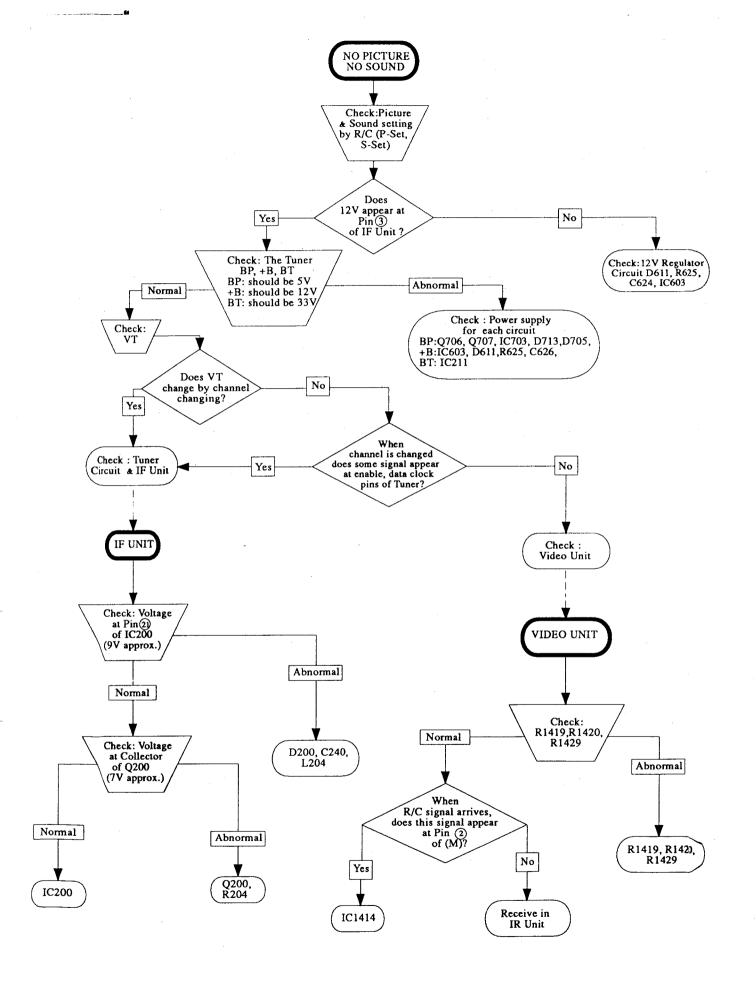
19. Drive Green

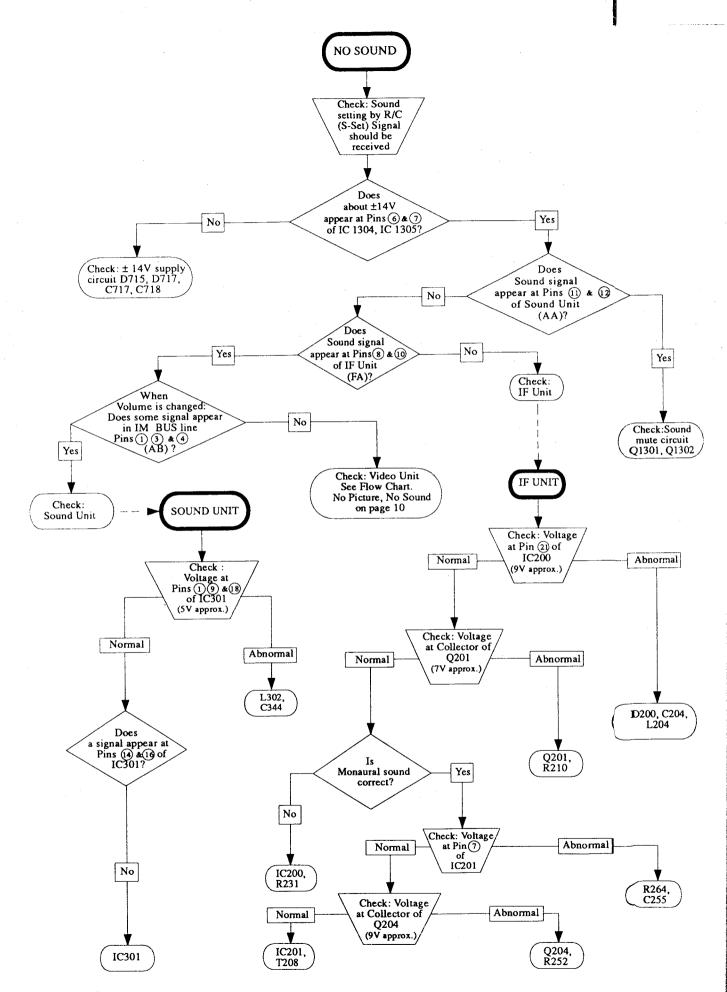
- a) Receive monoscope pattern signal.
- b) Adjust value on the picture to 105 (Fig. 14).
- c) Wait for stable picture

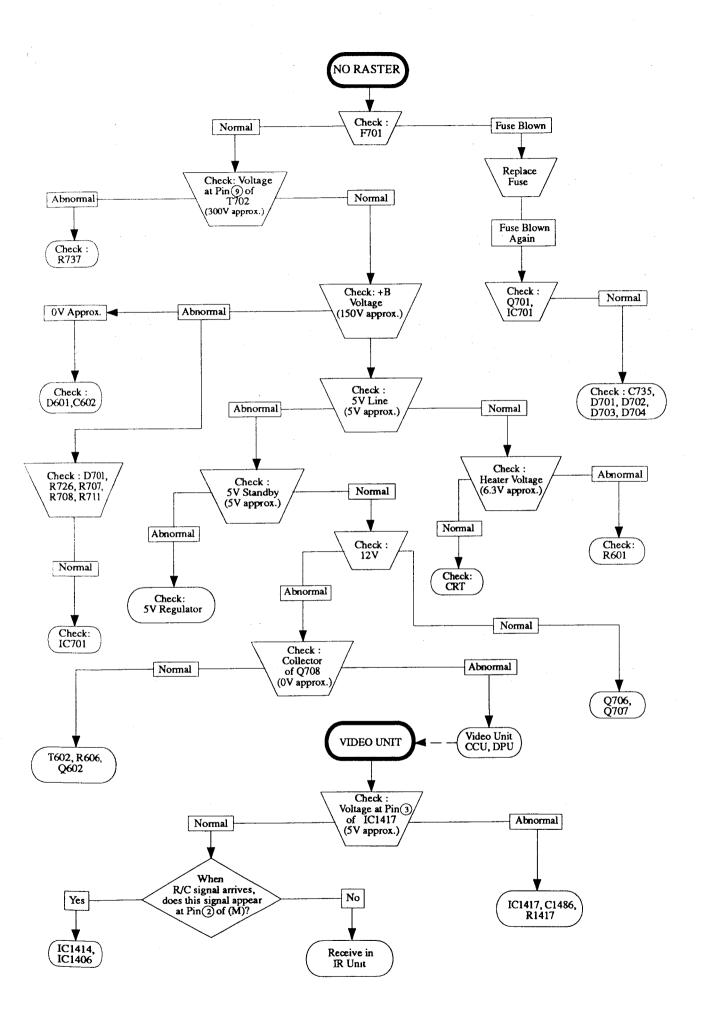
20. Drive Blue

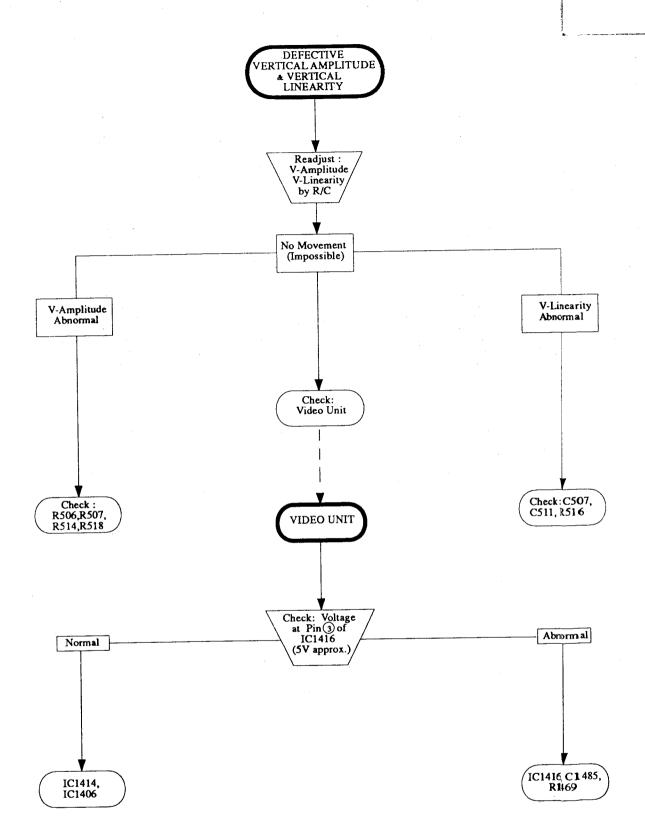
- a) Receive monoscope pattern signal.
- b) Adjust value on the picture to 107 (Fig. 15).
- c) Wait for stable picture

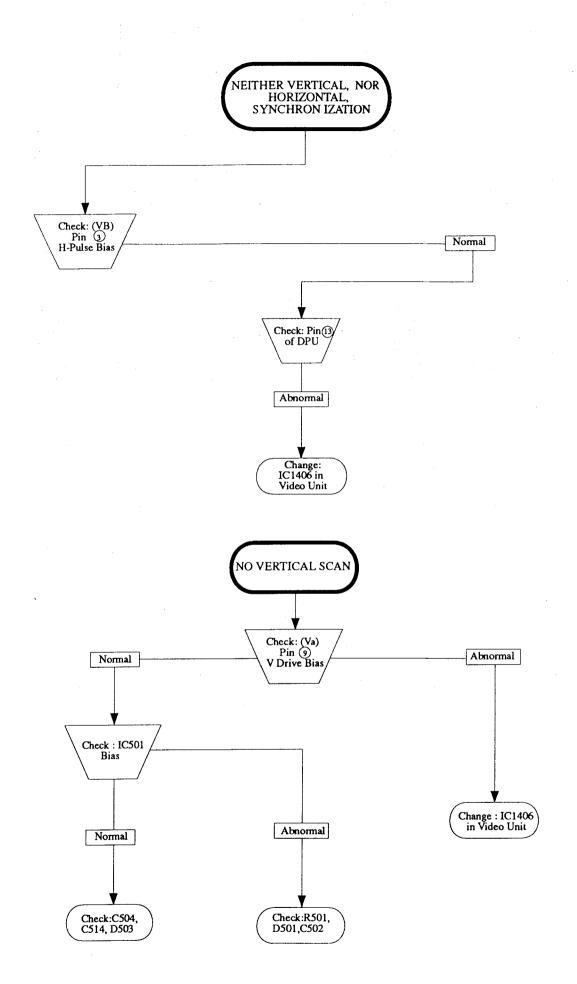
TROUBLESHOOTING TABLES NO PICTURE Check:Picture setting by R/C (P-Set) Does Video Signal appear at Pin 7 of Video Unit Yes No socket? Does Does about 4V appear at Pin 1 of Video Unit socket Video Signal appear at Pin 6 of IF Unit? No Yes Yes (Va)? No D502, R508, R511, C509 Check: VIDEO UNIT Video Unit Check: IF Unit Docs some signal appear when TV/AV mode is Does Video Signal appear at Pin 39 of IC1404? changed? Yes Yes No No Does some signal appear at Pins 4 to (i) of IC1404? No Yes IC1405, Q1402 IC315, R457 IF UNIT Does IC1404 some signal appear at Pins 36 to 44 of IC1402? Yes Check: Video Unit No Check: Voltage Does at Pin 21 of IC200 some signal appear at Pins 30 to 38 of IC1403? (9V approx. No Abnormal VIDEO UNIT Normal D200, C240, L204 Yes IC1404 IC1403 Check: Voltage Check: R1450, R1449 at Collector of (7V approx.) Is the Voltage at Pin 37 of IC1404 5V? Normal Abnormal No Yes Normal Abnomal IC200 IC1414 R1450, R1449 IC1407 IC1404 Q20), Q20;

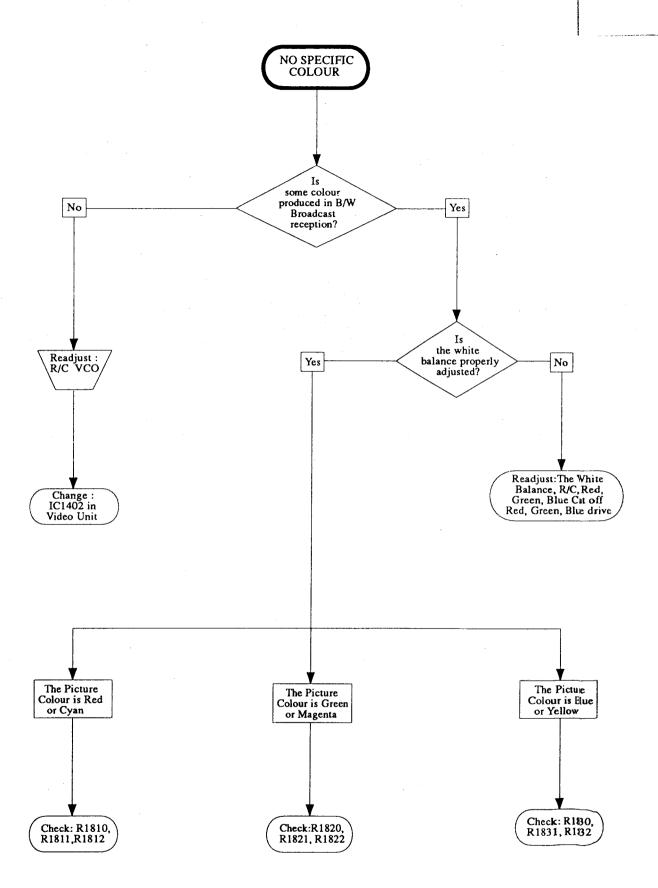


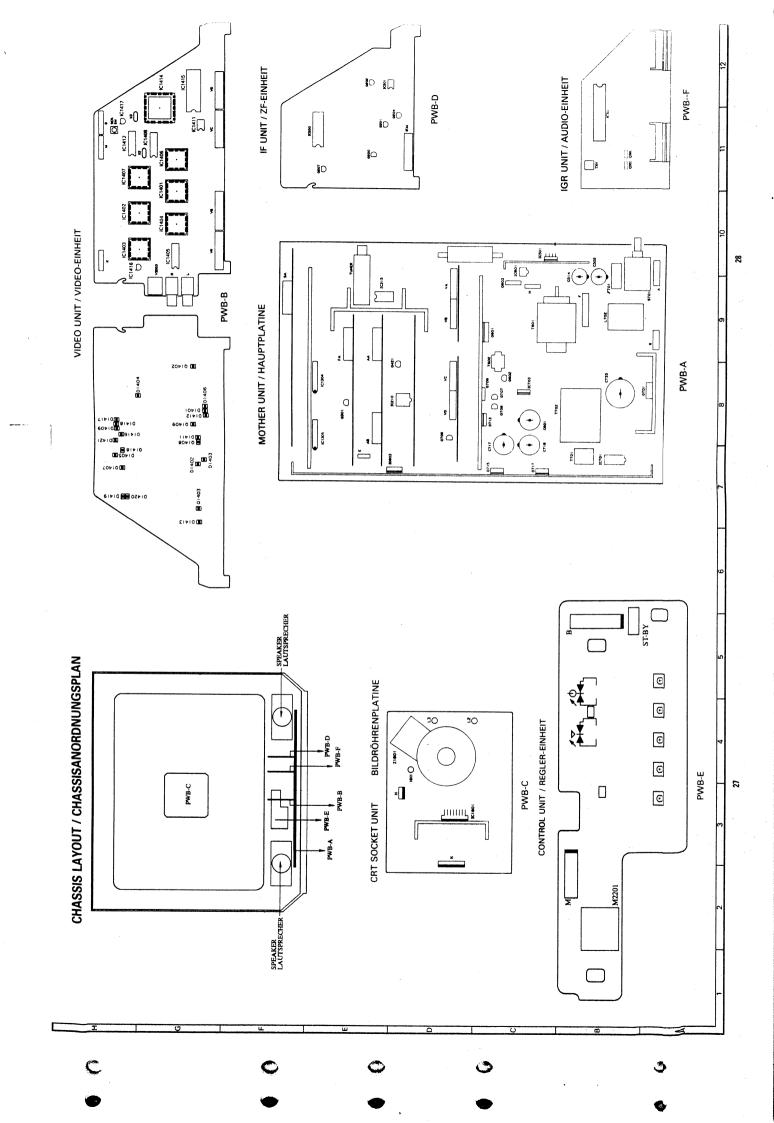




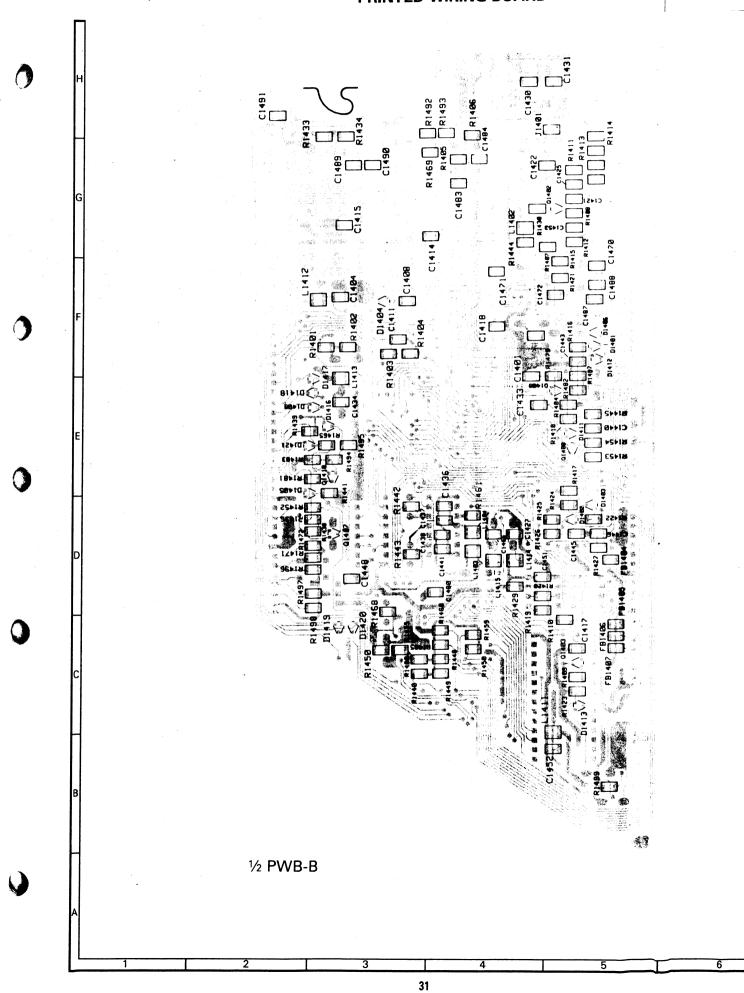




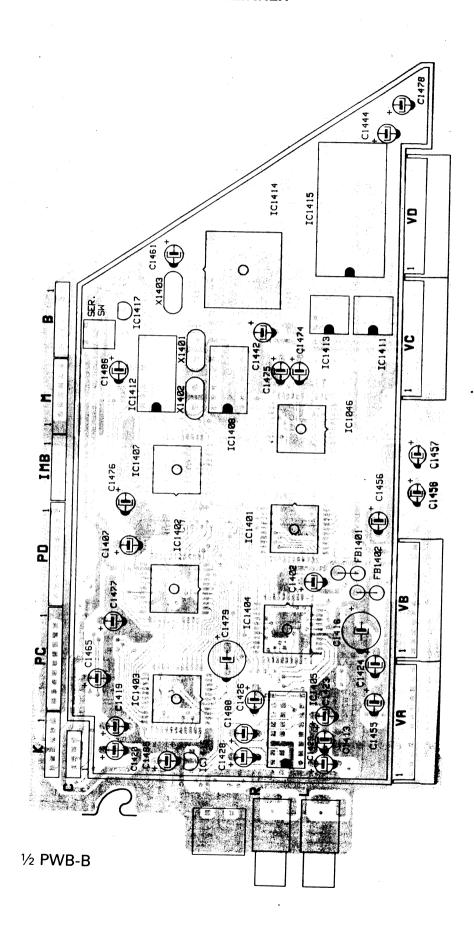




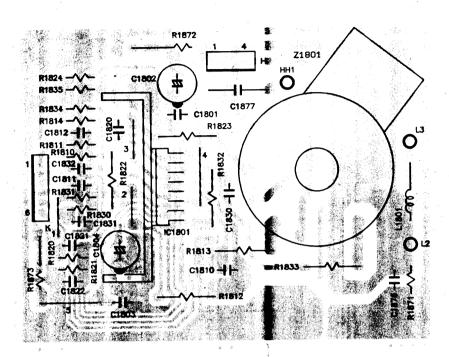
PRINTED WIRING BOARD



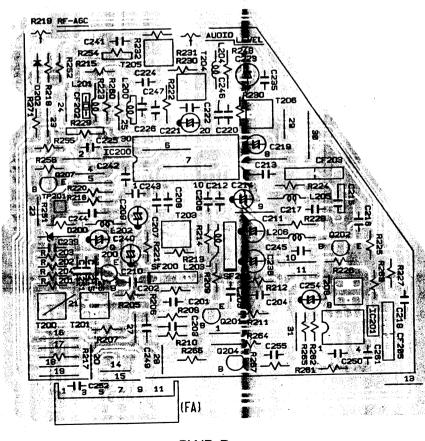
LEITERPLATTENEINHEIT



PRINTED WIRING BOARDS

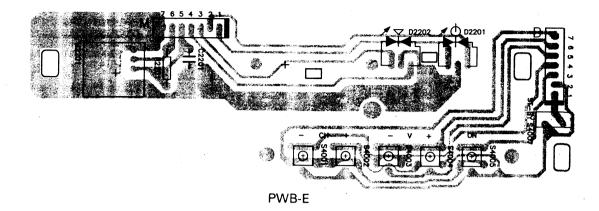


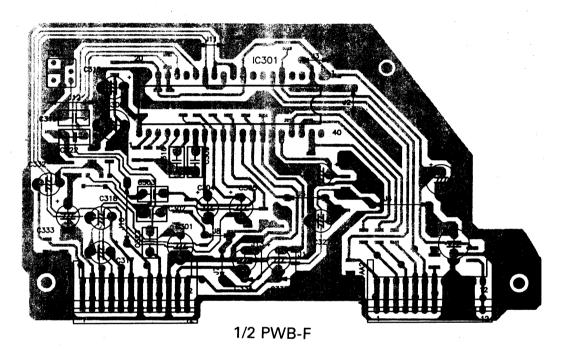
PWB-C

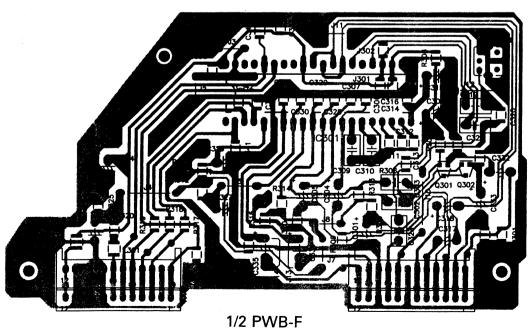


PWB-D

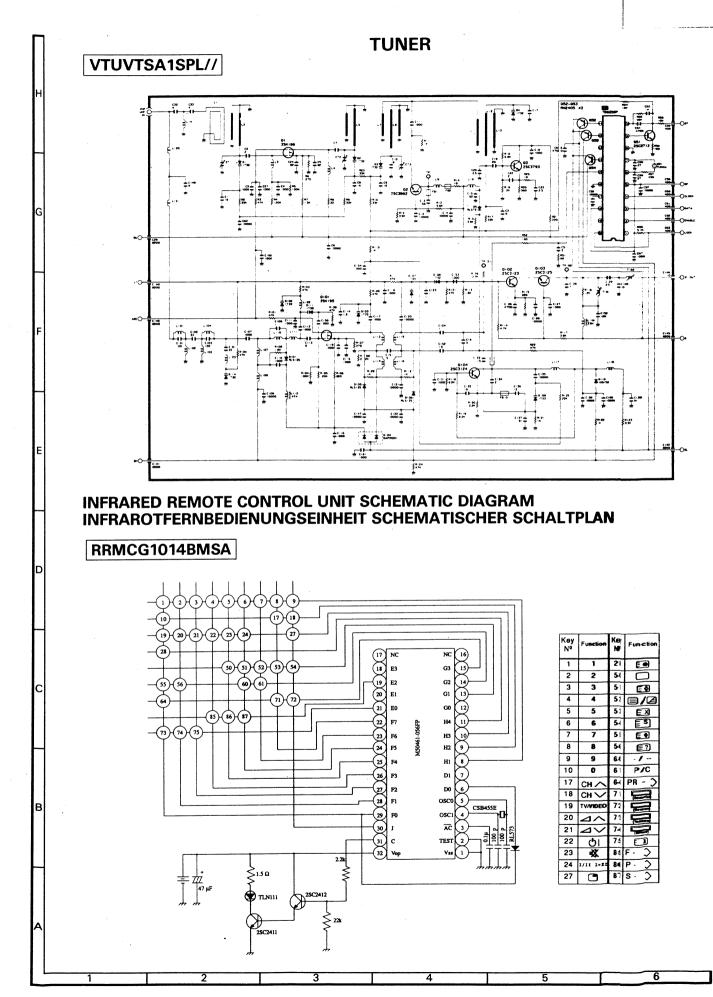
LEITERPLATTENEINHEITEN







7 8 9 10 11 12



DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTE:

- DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
- SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "A" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

Service precaution:

The area enclosed by this line $(-\cdot -\cdot -)$ is directly connected with AC Mains Voltage. When servicing the area connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SICHERHEITSANMERKUNGEN:

- VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT DER NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.
- 2. DIE WÄRMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.

WICHTIGE SICHERHEITSANMERKUNGEN

MIT "A" () BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT. BEIM WECHSELN DIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

VORSICHTSMASSREGEL BEI DER WARTUNG:

Daß mit dieser Linie (-···-) eingefaßte Gebiet ist direkt an der Wechselspannung angeschlossen. Bei der Wartung des Gebietes einen Trenntransformator zwischen Fernsehgerät und Wechselstromnetz anschließen, um elektrische Schläge zu vermeiden.

NOTE:

- 1. The unit of resistance "ohm" is omitted (k = 1000 ohms, M = Megaohm).
- 2. All resistors are 1/8 watt, unless otherwise noted.
- 3. All capacitors μF , unless otherwise noted (p= $\mu \mu F$).

VOLTAGE MEASUREMENT CONDITIONS

- 1. Voltages in parenthesis measured with no signal.
- Voltages without parenthesis measured with 3 mV B & W or Colour-Signal.
- 3. All the voltages in each point are measured with Vacuum Tube Voltmeter.

WAVEFORM MEASUREMENT CONDITIONS

Colour bar generator signal of 70 dB from RF input.

ANMERKUNG:

- Der Widerstandswert "Ohm" wurde in dem Plan ausgelassen (k = 1000 Ohms, M = Megaohm).
- 2. Falls nicht anders angegaben, handelt es sich bei den Widerstanden um 1/8 Watt-Ausführungen.
- Falls nicht anders angegeben, handelt es sich bei den Kondensatoren um μF-Typen (p = μμF).

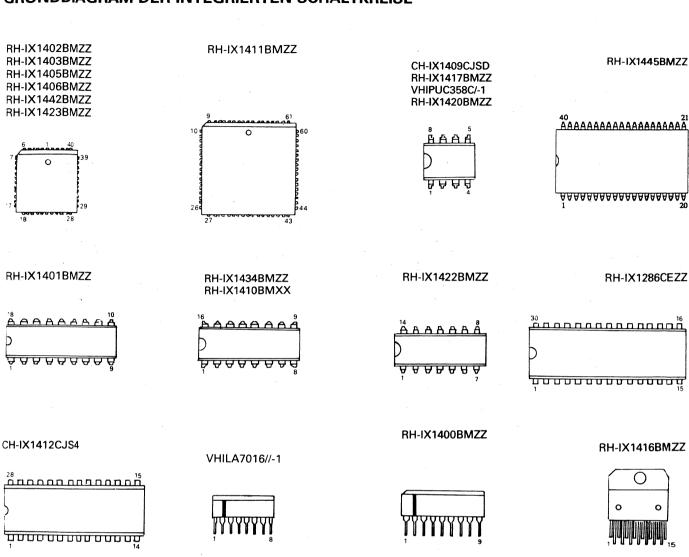
SPANNUNGSMESSUNGEN

- In Klammen eingeschlossene Spannungswerte werden ohne Signal gemessen.
- Nicht in Klammern eingeschlossene Spannung- D swerte werden mit einem 3 mV S/W-oder Farbsignal gemessen.
- 3. Alle Spannungswerte werden mit einem Va-SEL kuumröhre-Volt-meter gemessen.

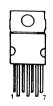
SIGNALFORMMESSUNGEN

Das Farbbalkensignal von 70 dB aus RF Eingang.

SOLID STATE DEVICE BASE DIAGRAM GRUNDDIAGRAM DER INTEGRIERTEN SCHALTKREISE



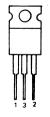




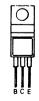
VS2SC2271-D1A VS2SA933QR/1E



RH-IX1184BMZZ RH-IX1185BMZZ



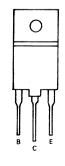
VS2SD1913S/1E

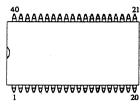


VHIPST529C2-1



VS2SD1546//2E

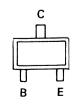




VS2SA1015Y/1 E VS2SC1815GW-1 VS2SC1906//1E

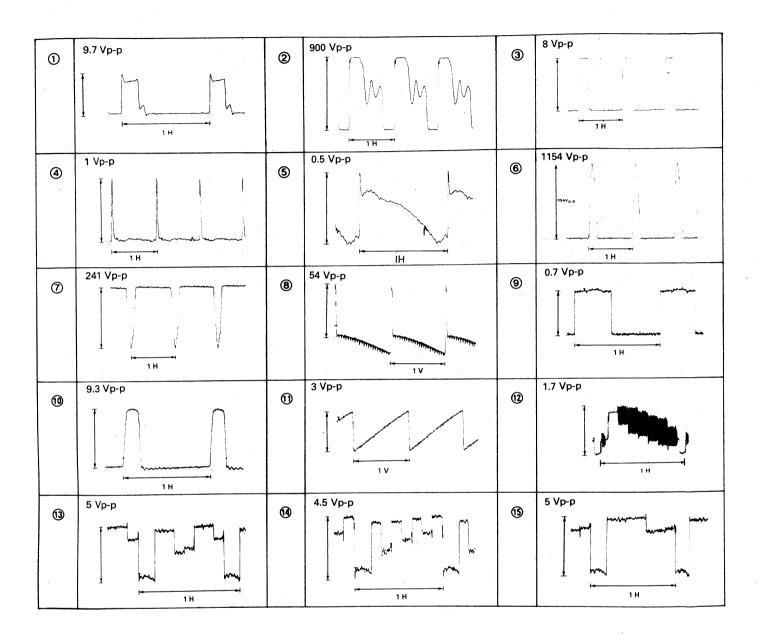


VS2SA1037KQ-1 VS2SC2412KQ-1



(SMD COMPONENT)

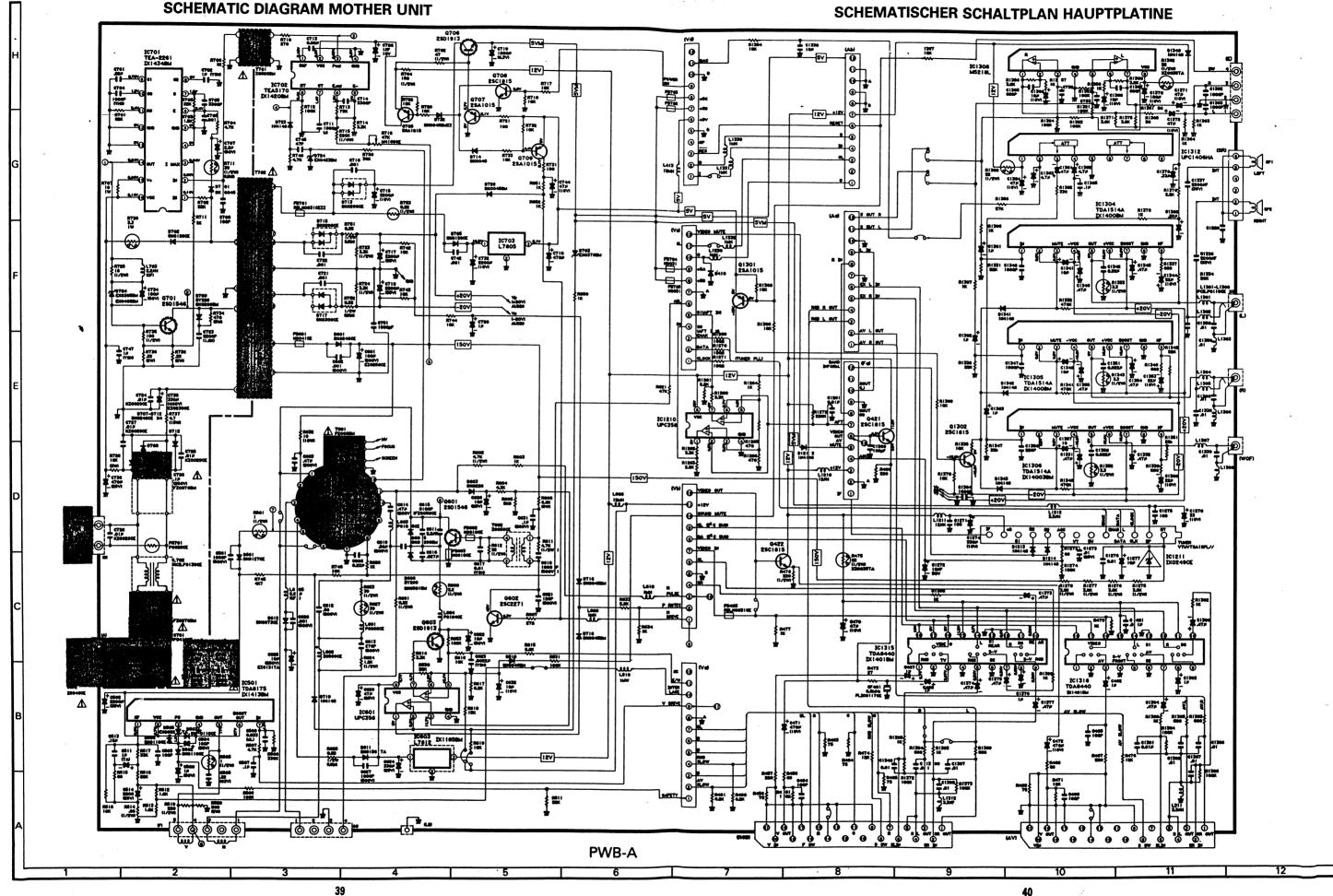
WAVEFORMS / SIGNALFORMEN

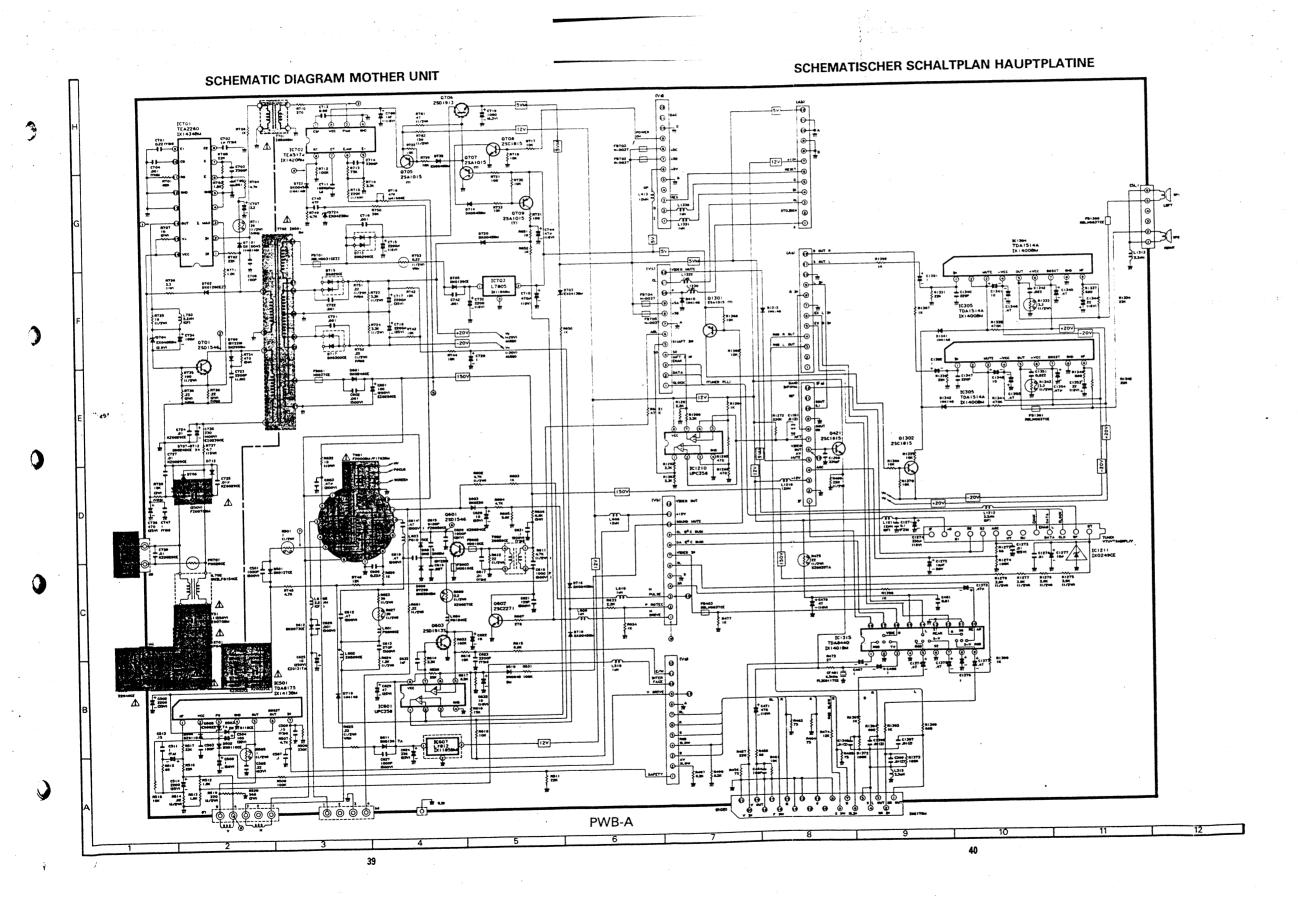


NOTE: WAVEFORMS N°S 1 to 12 ARE SHOWN ON MOTHER UNIT (PWB-A) DIAGRAM. WAVEFORMS N°S 13 to 15 ARE SHOWN ON VIDEO UNIT (PWB-B) DIAGRAM.

SCHEMATIC DIAGRAM VIDEO UNIT SCHEMATISCHER SCHALTPLAN VIDEO-EINHEIT + cl'423 = cl422 Li402 10#F = 0.01# 10#H C1455 R1407 F91401 777 IC1417 PST529 C1421 ICI404 VCU 2136 PLCC R1410 C1450 C1452 + C1476 - C1452 = 2247 - C1452 = 2247 - C1657 + C1476 229F -(16V) +c1477 223F -(1600 ff ______ A1 RH-IX 7 A2 1412 7 A4 BMZZ H H H H Rides Ride7 Rides 33K 33K 33K ICI412 # DRAM DIL 01407 25A1037 D1405 BAS16 TH C1474 + C1427 = 229F # Q.01# T 01418 25A1037 RI461 220 R1400 3.3K RI4IS I.EK Li415-39 Li415-39 Li415-39 Li415-31 W W DI416 RI439 0 IC1406 DPU2553 PLCC BASIS ¥ DI412 R1467 PWB-B 41

DV-6303S DV-7003S





| © C | ⊙ | 6 | 6 | 3 |
|--|----------|--|----------|----------|
| SCHEMATIC DIAGRAM VIDEO UNIT **CHEMATISCHER SCHALTPLAN VIEW************************************ | | Column C | | PWB-B |
| Ī | 0 " | w C | | 8 4 |

,

| LEAVE VACANT GROUND LEAVE VACANT VO VIDEO IN (LSB) LEAVE VACANT LEA | LEAVE VACANT UNDELAYED HOR BLANK AND COL KEY PULSE OUT IN BUS DATA INCOUT IN BUS IDENT IN SUBSTRATE |
|--|---|
| V2 VIDEO IN | IM BUS CLOCK IN YO VIDEO IN (LSB) Y1 VIDEO IN Y2 VIDEO IN Y2 VIDEO IN Y4 VIDEO IN Y4 VIDEO IN Y4 VIDEO IN Y5 VIDEO IN Y6 VIDEO IN (MSB) LEAVE VACANT IH 8 2 H SKEW DATA OUT D2-MAC COMP. SYNC IN 8 SEP COMP. SYNC IN 8 SEP COMP. SYNC OUT |
| LEAVE VACANT DV2 DELAY VIDEO OUT CORROMA OUT CONTRISWITCH OUT FOR HOR. POWER STAGE DV3 DELAY VIDEO OUT CORROMA OUT CONTRISWITCH OUT FOR HOR. POWER STAGE DV4 DELAY VIDEO OUT START OSC. SEL IN CONTRISWITCH OUT FOR HOR. POWER STAGE C3 CHROMA OUT (MSB) TEST PIN. LEAVE VACANT DV5 DELAY VIDEO OUT LEAVE VACANT DV5 DELAY VIDEO OUT (MSB) LEAVE VACANT LEAVE VACANT LEAVE VACANT | RESETIN CLAMPING OUT 2 SINGLE-SCAN VERT BLANK OUT IM MAIN CLOCK IN LEAVE VACANT |
| CAPACITOR V SUPPLY 1 | GROUND VERT. SLANS IN HOR BLANS IN RESET IN LEAVE VACANT |
| Section Sect | 372 LG LUMA OUT 36B L5 LUMA OUT 35B L4 LUMA OUT 34D LEAVE VACANT |
| LEAVE VACANT | C2 CHROMI OUT C3 CHROMI OUT (MS8) C0 CHROMI OUT (LSB) HOLD PULS: RESET OUT |
| V SUPPLY 1 ANALOG VERT.AND DELAYED HOR.BLANK IN LEAVE VACANT V SUPPLY 1 ANALOG V SUPPLY 2 V3 VIDEO IN VØ VIDEO OUT (LSB) COMP VIDEO IN 2 V4 VIDEO IN V1 VIDEO OUT UNDELAYED HOR.BLANK AND COL KEY PULSE IN V5 VIDEO IN V2 VIDEO OUT GOUND DIGITAL V6 VIDEO IN (MSB) | |
| V4 VIDEO OUT | 24140) V SUPPLY 38] GROUND SIPPLY) 38] GROUND SIPPLY) 37] RED IN 36] BLUE IN 35] BLUE IN 34] SKEW DATAIN 33] RAS OUT 07 22] CAS OUT 30] AD TAIL INCOL 2222] AS FAM ADDRESS OUT |
| C3 CHROMA IN (LSB) GROUND ANALOS GROUND ANALOS C3 CHROMA IN C1 CHROMA IN C1 CHROMA IN C2 CHROMA IN C3 CHROMA IN C3 CHROMA IN C4 CHROMA IN C5 CHROMA IN C6 CHROMA IN C7 CHROMA IN C8 CHROMA IN C9 CHROMA AND M SYNC.IN (LSB) C9 CHROMA IN C1 CH | A7 PAM ADIPESS OUT A6 PAM ADIRESS OUT A5 PAM ADIRESS OUT A4 RAM ADIRESS OUT A3 RAM ADIRESS OUT A3 RAM ADIRESS OUT A3 RAM ADIRESS OUT |
| C.N.C. 011 SD PR3 CR.N.C. 012 IC1414 SD PR2 TIMERS 014 CCU SD PR0 TIMERS 015 SD PP7 37 016 SD PP7 87 017 Central SD PP8 00 016 COntrol SD PP8 00 020 Unit SD PP7 00 022 SD PP7 | |
| o to the control of | |
| | 0.000 |

ABBREVIATIONS AS SHOWN ON THE VIDEO UNIT SCHEMATIC DIAGRAM EINIGE ABKÜRZUNGEN DIE AUF DEM VIDEOMODUL ERSCHEINEN

| VA1 SAF SAFTY, Picture tube protection against burning in case of malfunction of vertical deflection. VA2 AV SW deflection. AV, switching. VA3 B | | | | | |
|--|--------------|--------------|---|--|--|
| AV SW SW SW SW SW SW SW SW | VA1 | SAF | = | burning in case of malfunction of vertical | |
| VAA RGBS RGB, switching VA4 Umschaltung auf RGB. Grün. | VA2 | AV SW | = | | Umschaltung auf AV. |
| VAS 6 | | | = | Blue. | |
| VAP FSW Fast Switching (fast blanking input). Fast Switching (fast blanking input). Analog ground. Analog ground. Analog ground. Analog Masse. Vertical dirive Vertical stage control in non interlace mode. Cott input protection-functional blocking. Interface control output: wertical stage control in non interlace mode. Cott input protection-functional blocking. HPUL East/West parabola output. Horizontal pulse. Cott input protection-functional blocking. HPUL Horizontal pulse. Horizon | VA4 | RGBSW | = | RGB, switching. VA4 | Umschaltung auf RGB. |
| Fest Switching (fast blanking input). Fast Switching (fast blanking input). Analog ground. Analog Masse. Vertical drive. Interface control in non interface mode. Varible Interface control output: vertical stage control in non interface mode. Varible | VA5 | G | = | Green. | |
| VAB | VA6 | R | | | |
| VAP10 INT Vertical drive. Vertical drive. Vertical control output: vertical stage control output: interface control interface control output: interface control interface contro | VA7 | FSW | | | |
| VA10 INT | | | | | |
| control in non interlace mode. 2411 EW EastNest parabola output. 252 PR CU input protection-functional blocking. 253 HPUL Horizontal driver output. 254 R CU input protection-functional blocking. 255 HPUL Horizontal pulse. 256 NS HPUL Horizontal pulse. 257 HPUL Horizontal pulse. 258 HPUL Horizontal pulse. 259 HPUL Horizontal pulse. 250 Horizontal Pulse. Eingang, der von der DPU benötigt wie durch welchen die Flyback-Impulse über die Festigung (Diode) einlaufen. 250 HPUL Horizontal Pulse. 250 HPUL Horizontal pulse. 250 Horizontal Pulse. Eingang, der von der DPU benötigt wie durch welchen die Flyback-Impulse über die Festigung (Diode) einlaufen. 250 HPUL Horizontal Pulse. Eingang, der von der DPU benötigt wie durch welchen die Flyback-Impulse über die Festigung (Diode) einlaufen. 250 HPUL Horizontal Pulse. 250 Horizontal Pulse. 250 HPUL Horizontal Pu | | | | | |
| VA11 EW 18 H.DR 18 H.DR 19 | VA10 | INT | = | | |
| H.DRI | | | | | |
| VB2 | | | | | |
| Note | | | | | |
| VB4 R - | | | | | |
| VB6 GNS | VB3 | H PUL | = | nonzontai puise. | durch welchen die Flyback-Impulse über die Festigung |
| VBS GNS = Ground Sound. Masse Ton. VB6 L = Left (Audio channel). Links (Linker Audio-Kanal). VB7 VIDIN Video input. (Video-Eingang, der aus einer externen Quelle stammt!) VB8 C12 = IZC Clock. Takt des 12C. VB10 S MUT = Sound Mute. Top still (Sound Mute). VB11 + 12 v. + 12 v. VC1 T C Clock Tuner. Taktenstellung VC2 DT Data Tuner. VC3 ET Enable Tuner. VC4 S0 Tuner variables. Tuner-Variablen. VC5 T Tuner variables. Tuner-Variablen. VC6 BCL Beam current limiter (ABL). Beam current limiter (Strahlstrombegrenzung, ABL). VC7 GNA Analog ground. Analog Masse. VC8 5 V 5 V VC9 + 5A 5 V analog. VC10 Main clock, generated by MCU. Haupt-Takt, betrieben durch den MCU des Kathodenstr ABL. VC11 C IMBUS clock (IMC). Video Mute. VC11 I IMI | VR4 | R, | = | Right (Audio channel). | |
| VBF VIDI V | | | | | |
| VB7 VID IN | | | | | the state of the s |
| VBB | | | | | (Video-Eingang, der aus einer externen Quelle stammt). |
| VB10 S MUT | | | | | |
| VB11 | VB9 | CI 2 | = | I2C Clock. | Takt des 12C. |
| VC1 CT | VB10 | S MUT | = | Sound Mute. | Top still (Sound Mute). |
| VC2 DT = Data Tuner. VC3 ET = Enable Tuner. VC4 S0 = Tuner variables. VC5 S1 = Tuner variables. VC6 BCL = Beam current limiter (ABL). VC7 GNA = Analog ground. VC8 + 5B = 5V. VC9 + 5A = 5V analog. VC10 = Main clock, generated by MCU. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VD1 I = IMI (IMBUS identification). VD2 D = IMD (IMBUS data). VD3 R = Reset (low level function). VD4 OP = OPTION (not used). VD5 GND = Ground digital. VD6 + 5V = 5 Volts standby. VD7 + 5D = 5 Volts standby. VD8 + 5C = 5 Volts standby. VD9 P ON Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). VD0. VB = Digitalized Video Signals. DV0. DV7 = Delayed digitalized Video Signals. DV0. DV7 = Delayed digitalized Video Signals. DV0. DV7 = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). VC4 | VB11 | | = | + 12 v. | |
| VC3 ET = Enable Tuner. VC4 S0 = Tuner variables. VC5 S1 = Tuner variables. VC6 BCL = Beam current limiter (ABL). VC7 GNA = Analog ground. VC8 + 5B = 5V. VC9 + 5A = 5V analog. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. Video Impuritation). IMD (IMBUS clentification). IMD (IMBUS clentification) | VC1 | CT | = | Clock Tuner. | Takteınstellung |
| VC4 S0 = Tuner variables. VC5 S1 = Tuner variables. VC6 BCL = Beam current limiter (ABL). VC7 GNA = Analog ground. VC8 + 5B = 5V. VC9 + 5A = 5V analog. VC10 = Main clock, generated by MCU. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 VMUT = Video Mute. VC11 VMUT = Video Mute. VC11 VMUT = IMI (IMBUS identification). VC12 VMUT = IMI (IMBUS data). VC13 R = Reset (low level function). VC14 OP = OPTION (not used). VC15 GND = Ground digital. VC16 + 5V = 5 Volts digital. VC17 + 5D = 5 Volts digital. VC18 + 5C = 5 Volts digital. VC19 P ON = Power on. VC10 P OPWORD (AVE) VC10 P OPWORD (AVE) VC10 P OPWORD (AVE) VC11 C = IMBUS clock (IMC). VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC2 MID (IMBUS clock (IMC). VC2 VMUT = Video Mute. VC3 MID (IMBUS lentifikation). IMD (IMBUS - Identifikation). IMD (IMBUS - Identifikation). IMD (IMBUS - Identifikation). IMD (IMBUS - Video Mute. Vide | VC2 | DT | = | Data Tuner. | |
| VC5 S1 | VC3 | ET | | | |
| VC6 BCL = Beam current limiter (ABL). VC7 GNA = Analog ground. VC8 + 5B = 5V. VC9 + 5A = 5V analog. VC10 = Main clock, generated by MCU. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VD1 1 = IMI (IMBUS identification). VD2 D = IMD (IMBUS data). VD3 R = Reset (low level function). VD4 OP = OPTION (not used). VD5 GND = Ground digital. VD6 + 5V = 5 Volts digital. VD7 + 5D = 5 Volts digital. VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = Digitalized Video Signals. UOV8 = Digitalized Luminance Signals. DV0DV7 = Delayed digitalized Video Signals. UOV7 = Delayed digitalized Video Signals. VOV8 = Bilue back. V/SVHS = Switching Video to SVHS. VMSVHS Switching Video to SVHS. VKeyboard Filters. VEX + 5A = 5V SV Analog. Analog Masse. SV Analog. Haupt-Takt, betrieben durch den MCU des Kathodenstr ABL. Takt des IMBUS (IMC). Video Mute. Video Mut | | - | | | |
| VC7 GNA = Analog ground. VC8 + 5B = 5V. VC9 + 5A = 5V analog. VC10 | | | | | |
| VC8 + 5B = 5V. VC9 + 5A = 5V analog. VC10 = Main clock, generated by MCU. Main clock, generated by MCU. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VC11 | | | | | |
| VC9 + 5A = 5V analog. VC10 = Main clock, generated by MCU. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VD1 | | | | | |
| VC10 = Main clock, generated by MCU. VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VD1 | | | | | |
| VC11 C = IMBUS clock (IMC). VC12 VMUT = Video Mute. VD1 | | + DA | | | |
| VC11 C | VC10 | | _ | Wall Clock, generated by Wico. | · · · · · · · · · · · · · · · · · · · |
| VC12 VMUT | VC11 | r . | _ | IMRUS clock (IMC) | |
| VD1 I = IMI (IMBUS identification). VD2 D = IMD (IMBUS data). VD3 R = Reset (low level function). VD4 OP = OPTION (not used). VD5 GND = Ground digital. VD7 + 5D = 5 Volts standby. VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). VOV8 = Digitalized Video Signals. VOV5 = Digitalized Luminance Signals. DV0D7 = Delayed digitalized Video Signals. DV0DV7 = Delayed digitalized Video Signals. SVHS1/2 = Switching VHS1 to SVHS2 (2 possible inputs). VAD | | | | | |
| VD2 D = IMD (IMBUS data). VD3 R = Reset (low level function). VD4 OP = OPTION (not used). VD5 GND = Ground digital. VD6 + 5V = 5 Volts standby. VD7 + 5D = 5 Volts digital. VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). VOV8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching VHS1 to SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. IMD (IMBUS Daten). Reset (funktioniert auf niedrigem Niveau). Option (wird nicht belegt). Doption (wird nicht belegt). Doption (wird nicht belegt). Poption (wird nicht belegt). Option (wird nicht belegt). Svolt Standby. S volt Standby. S volt Standby. S volt digital. S volt digital. S volt digital. S volt Alas. Power on. Digital-Analog-Wandler für Audio-Kontrolle, der nicht durch limes on. Digitalisierte Video-Signale Digitalisierte Video-Signale Urschaften (| | | | | |
| VD3 R = Reset (low level function). VD4 OP = OPTION (not used). VD5 GND = Ground digital. VD6 + 5V = 5 Volts standby. VD7 + 5D = 5 Volts digital. VD8 + 5C = 5 Volts clock. VD9 PON = Power on. VD11 DAC = DIA converter Audio Control (not being controlled by IMBUS). V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV3DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). Reset (funktioniert auf niedrigem Niveau). Option (wird nicht belegt). Digitaler Masse. 5 Volt Standby. 5 Volt digital. 5 Volt digital. 5 Volt Takt. Power on. Digital-Analog-Wandler für Audio-Kontrolle, der nicht durch IMBUS zu kontrollieren ist. Digitalisierte Video-Signale. Digitalisierte Leuchtdichtesignale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| VD4 OP = OPTION (not used). VD5 GND = Ground digital. VD6 + 5V = 5 Volts standby. VD7 + 5D = 5 Volts digital. VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. L0L7 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. DV3DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. Option (wird nicht belegt). Digitaler Masse. Svlot Standby. 5 Volt Standby. 5 Volt digital. 5 Volt Takt. Power on. Digital-Analog-Wandler für Audio-Kontrolle, der nicht durch IMBUS zu kontrollieren ist. Digitalisierte Video-Signale. Digitalisierte Leuchtdichtesignale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| VD5 GND = Ground digital. VD6 + 5V = 5 Volts standby. VD7 + 5D = 5 Volts digital. VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BLB = Blue back. VSVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). Digitalized Standby. 5 Volt Standby. 5 Volt digital. 5 Volt Takt. Power on. Digital-Analog-Wandler für Audio-Kontrolle, der nicht durch IMBUS zu kontrollieren ist. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | • | |
| VD7 + 5D = 5 Volts digital. VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. L0L7 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). S Volt digital. 5 Volt Takt. Power on. Digital-Analog-Wandler für Audio-Kontrolle, der nicht durch IMBUS zu kontrollieren ist. Digitalisierte Video-Signale. Digitalisierte Leuchtdichtesignale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| VD8 + 5C = 5 Volts clock. VD9 P ON = Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BLB = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). V5 Volt Takt. Power on. Digitalized HBUS zu kontrollieren ist. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | VD6 | + 5V | = | 5 Volts standby. | 5 Volt Standby. |
| VD9 PON = Power on. VD11 DAC = D/A converter Audio Control (not being controlled by IMBUS). V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. DV0DV7 = Delayed digitalized Video Signals. Verzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Blue back. Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. Verwer on. Digitalis-Analog-Wandler für Audio-Kontrolle, der nicht durch IMBUS zu kontrollieren ist. Digitalisierte Video-Signale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | VD7 | + 5D | = | 5 Volts digital. | |
| VD11 DAC | VD8 | + 5C | = | 5 Volts clock. | |
| controlled by IMBUS). V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). Concrete Video-Signale. Digitalisierte Leuchtdichtesignale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| V0V8 = Digitalized Video Signals. L0L7 = Digitalized Luminance Signals. C0C3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. Digitalisierte Video-Signale. Digitalisierte Leuchtdichtesignale. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Digitalisierte Video-Signale. Uerzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Uerzögerte digitalisierte Video-Signale Verzögerte digitalisierte Video-Signale Umschalter Von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | VD11 | DAC | = | | , |
| LOL7 = Digitalized Luminance Signals. COC3 = Digitalized Chrominance Signals. DVODV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. Digitalisierte Leuchtdichtesignale. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| COC3 = Digitalized Chrominance Signals. DV0DV7 = Delayed digitalized Video Signals. BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. Digitalisierte Chrominanz-Signale Verzögerte digitalisierte Video-Signale Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| DV0DV7 = Delayed digitalized Video Signals. Verzögerte digitalisierte Video-Signale BL.B = Blue back. Blue back. V/SVHS = Switching Video to SVHS. Umschalter von Video auf SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 Umschalter von SVHS1 auf SVHS2 (2 possible inputs). (zwei mögliche Eingänge) KA1, KA2 = Keyboard Filters. Keyboard-Filter. | | | | | |
| BL.B = Blue back. V/SVHS = Switching Video to SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 (2 possible inputs). KA1, KA2 = Keyboard Filters. Blue back. Umschalter von Video auf SVHS. Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) Keyboard-Filter. | | | | | |
| V/SVHS = Switching Video to SVHS. Umschalter von Video auf SVHS. SVHS1/2 = Switching SVHS1 to SVHS2 Umschalter von SVHS1 auf SVHS2 (2 possible inputs). (zwei mögliche Eingänge) KA1, KA2 = Keyboard Filters. Keyboard-Filter. | |)V / | | , , | |
| SVHS1/2 = Switching SVHS1 to SVHS2 | | ic. | | | |
| (2 possible inputs). (zwei mögliche Eingänge) KA1, KA2 = Keyboard Filters. Keyboard-Filter. | | | | | |
| KA1, KA2 = Keyboard Filters. Keyboard-Filter. | SVIDI | 1/2 | _ | | |
| | ΚΔ1 ν | 'Λ2 | _ | | |
| KC1, KC2, KC3 = Keyboard columns. Spalten für den Speicher | | | | | |
| D0D7 = Memory data signals. Datensignale für den Speicher. | | • | | • | |
| A0A15 = Memory address signals. Richtungssignale (ADDRESS) für Speicher. | | | | | |
| O DIS = Output disable. Disable ausgang. | | - | | | |

ABBREVIATIONS AS SHOWN ON THE VIDEO UNIT SCHEMATIC DIAGRAM

A0..A15

O DIS

Memory address signals.

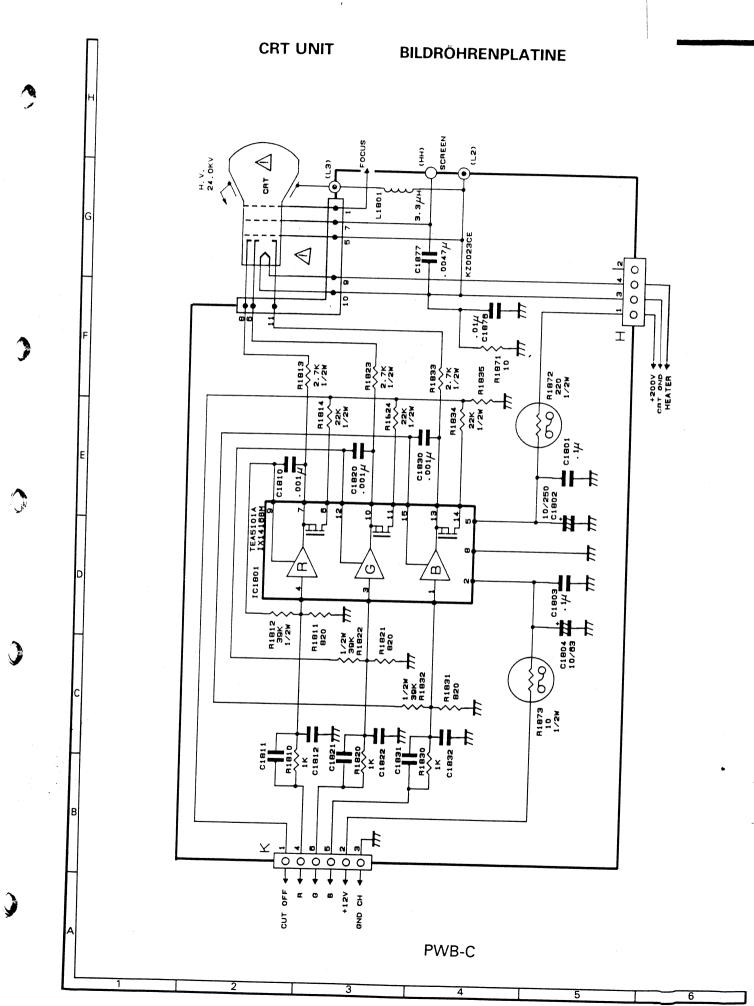
Output disable.

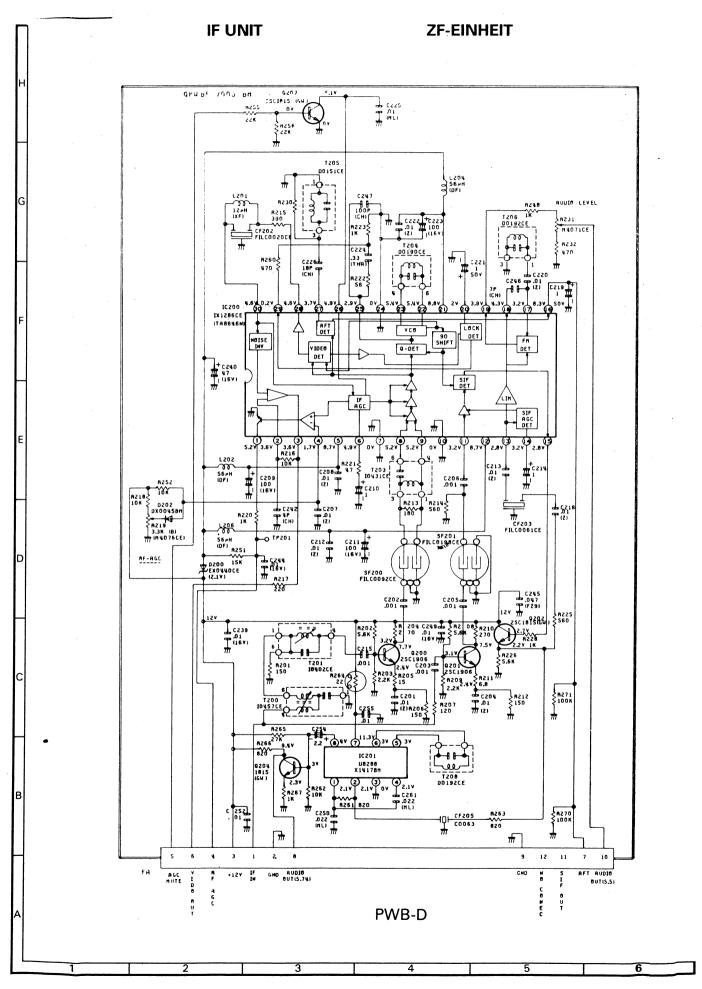
AUF DEM VIDEOMODUL ERSCHEINEN VA1 SAF SAFETY. Picture tube protection against SAFETY. Schützt die Bildröhre vor dem Durchbrennen. burning in case of malfunction of vertical im Fall ein Fehlfunktion der vertikalen Ablenkung. deflection. AV, switching. VA2 AV SW Umschaltung auf AV. VA3 R Blue. Blau. RGB SW = VA4 RGB, switching, VA4 Umschaltung auf RGB. VA5 G Green. Grün. VA6 R Red. Rot **FSW** VA7 Fast Switching (fast blanking input). Fast Switching (fast blanking input). VA8 GNA Analog ground. Analog Masse. VA9 **VDR** Vertical drive. Vertikal ansteuerung. Interface control output: vertical stage VA10 INT Interface control output: überprüft die vertikale Ablenkung control in non interlace mode. für den "Nitcht zeilensprungverfahren» Betrieb. VA11 EW East/West parabola output. Ost/West Parabel-Output. VB1 H.DRI Horizontal driver output. Horizontal treiberausgang. VB2 PR CCU input protection-functional blocking. Input-Schutz - Blockiert Funktion. H PUL VB3 Horizontal pulse. Horizontal Pulse. Eingang, der von der DPU benötigt wird, durch welchen die Flyback-Impulse über die Festigung (Diode) einlaufen. VB4 R ⋅ Right (Audio channel). Rechts (Rechter Audio-Kanal). VB5 **GNS** Ground Sound. Masse Ton. VB6 Left (Audio channel). Links (Linker Audio-Kanal). VB7 VID IN Video input. (Video-Eingang, der aus einer externen Quelle stammt). VB8 DI 2 = I2C Data. Daten des 12C VB9 CI2 I2C Clock. Takt des 12C. VB10 S MUT = Sound Mute. Top still (Sound Mute). **VB11** + 12 v. + 12 V VC1 CT Clock Tuner. Takteinstellung VC2 DT Data Tuner. Datentuner. VC3 ET Enable Tuner. Enable Tuner. VC4 S₀ = Tuner variables. Tuner-Variablen. Tuner variables. VC5 S1 Tuner-Variablen. VC6 BCL Beam current limiter (ABL). Beam current limiter (Strahlstrombegrenzung, ABL). VC7 **GNA** Analog ground. Analog Masse. VC8 + 5B = 5V. 5V. VC9 5V analog. + 5A = 5V analog. VC10 Main clock, generated by MCU. Haupt-Takt, betrieben durch den MCU des Kathodenstrahls VC11 C IMBUS clock (IMC). Takt des IMBUS (IMC). VC12 VMUT Video Mute. Video Mute. VD1 1 IMI (IMBUS identification). IMI (IMBUS - Identifikation). VD2 D IMD (IMBUS data). IMD (IMBUS Daten). VD3 R Reset (low level function). Reset (funktioniert auf niedrigem Niveau). OP VD4 OPTION (not used). Option (wird nicht belegt). VD5 **GND** Ground digital. Digitaler Masse. VD6 + 5V 5 Volts standby. 5 Volt Standby. VD7 + 5D 5 Volts digital. 5 Volt digital. VD8 + 5C 5 Volts clock. 5 Volt Takt. VD9 PON Power on. Power on. VD11 DAC D/A converter Audio Control (not being Digital-Analog-Wandler für Audio-Kontrolle, der nicht controlled by IMBUS). durch IMBUS zu kontrollieren ist. V0..V8 Digitalized Video Signals. Digitalisierte Video-Signale. L0..L7 Digitalized Luminance Signals. Digitalisierte Leuchtdichtesignale. C0..C3 Digitalized Chrominance Signals. Digitalisierte Chrominanz-Signale DV0..DV7 Delayed digitalized Video Signals. Verzögerte digitalisierte Video-Signale BL.B Blue back. Blue back. V/SVHS Switching Video to SVHS. Umschalter von Video auf SVHS. SVHS1/2 Switching SVHS1 to SVHS2 Umschalter von SVHS1 auf SVHS2 (zwei mögliche Eingänge) (2 possible inputs). KA1, KA2 Keyboard Filters. Keyboard-Filter. KC1, KC2, KC3 = Keyboard columns. Spalten für den Speicher D0..D7 Memory data signals. Datensignale für den Speicher.

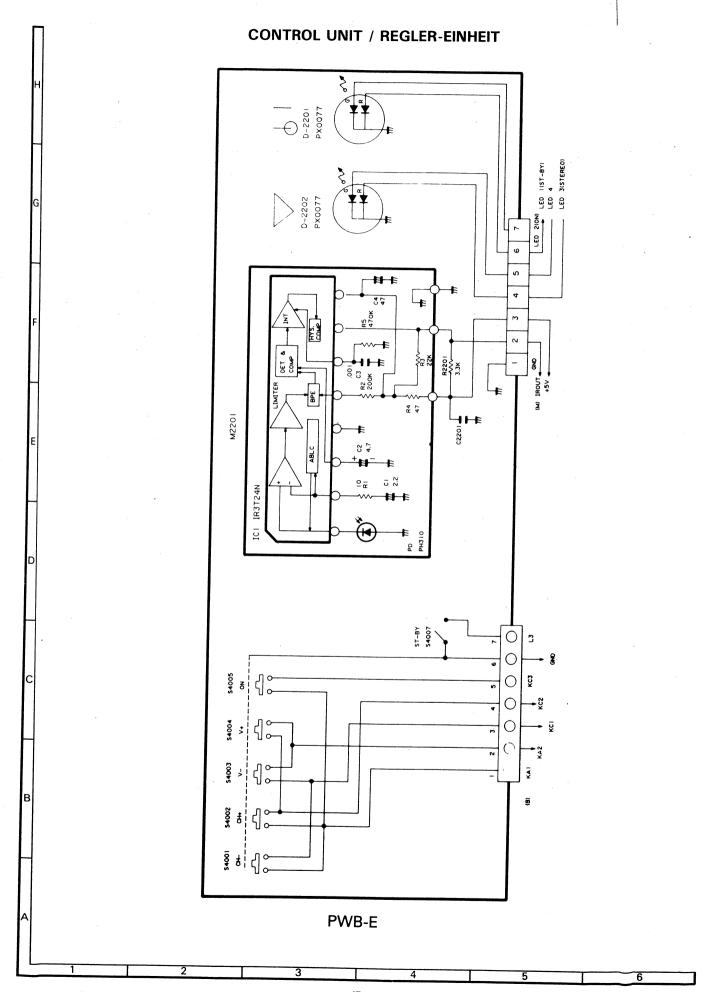
EINIGE ABKÜRZUNGEN DIE

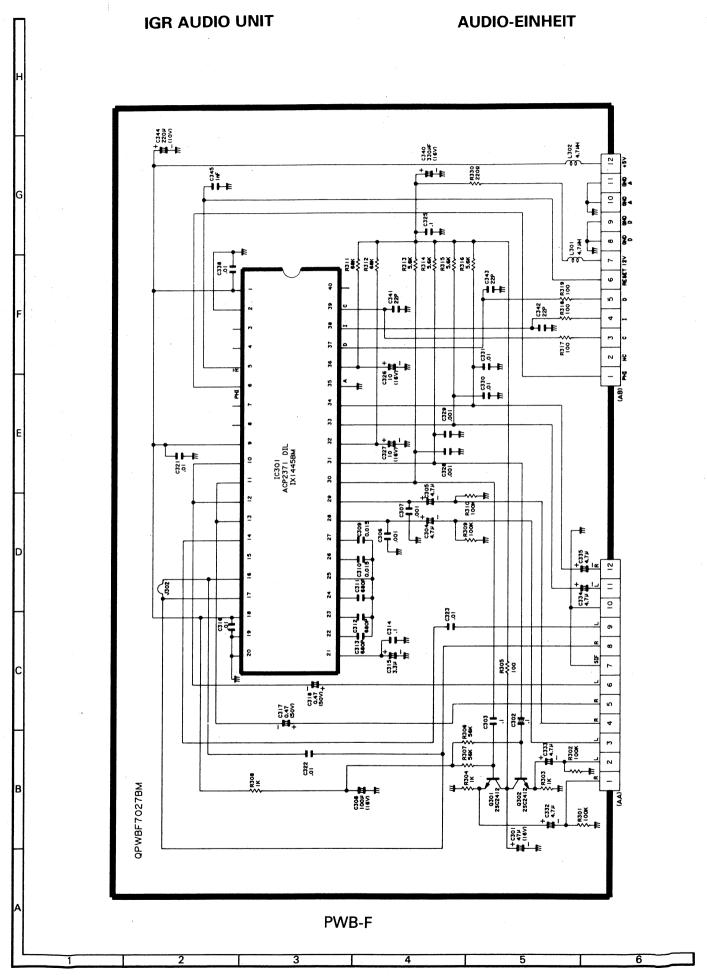
Richtungssignale (ADDRESS) für Speicher.

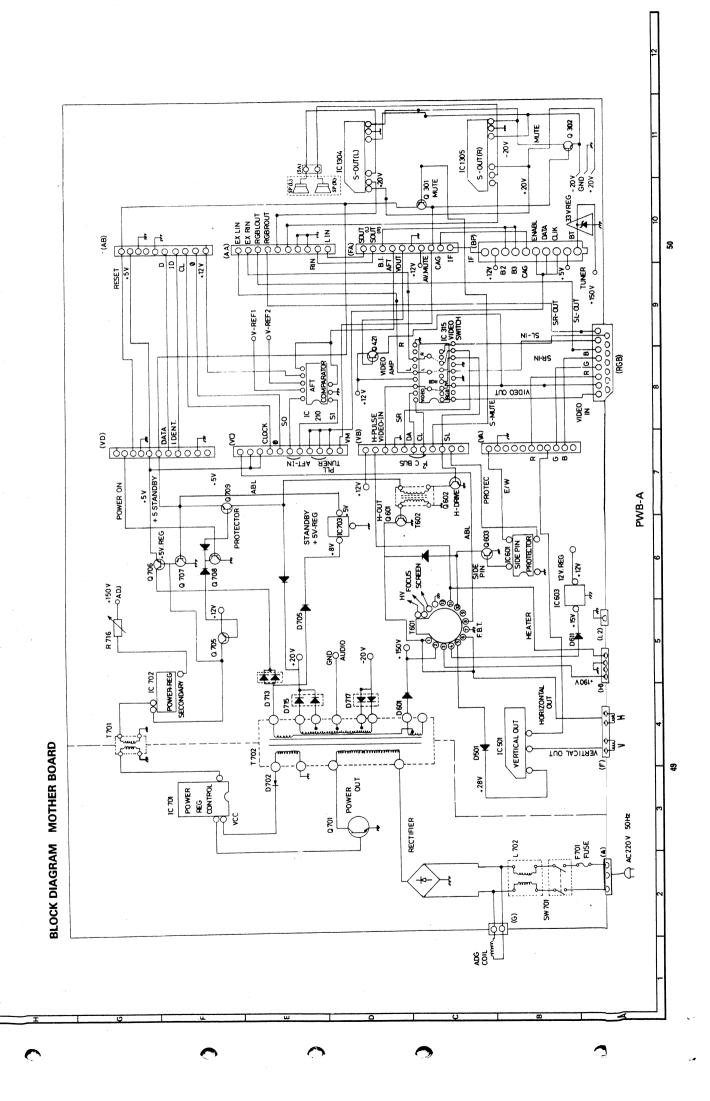
Disable ausgang.

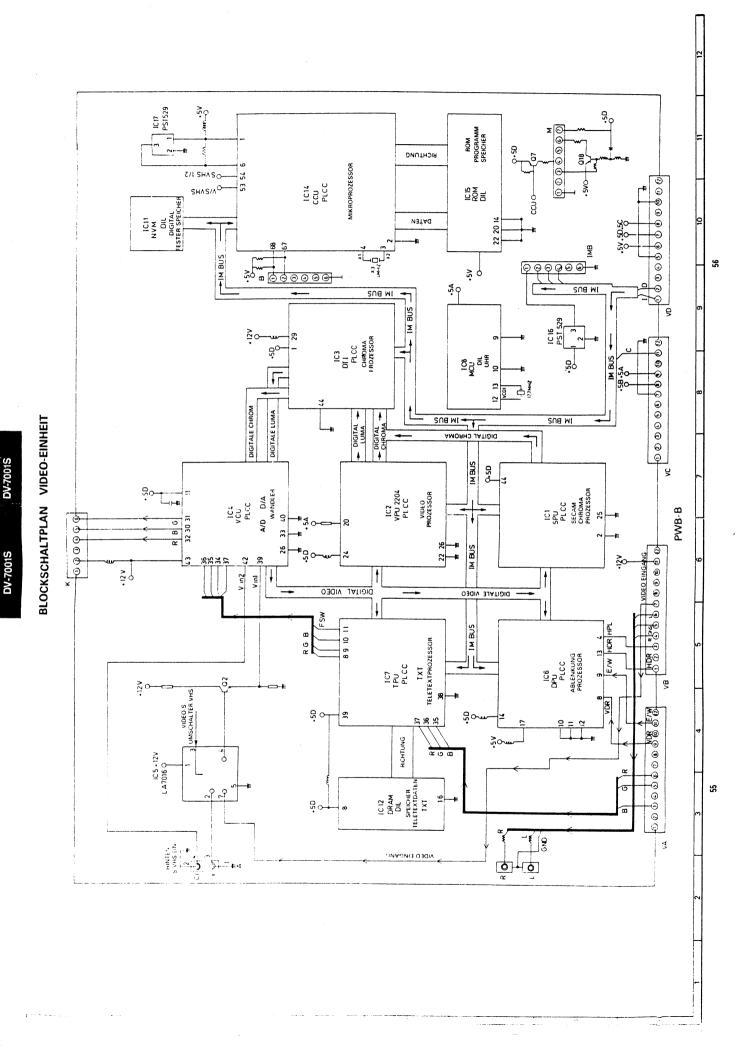




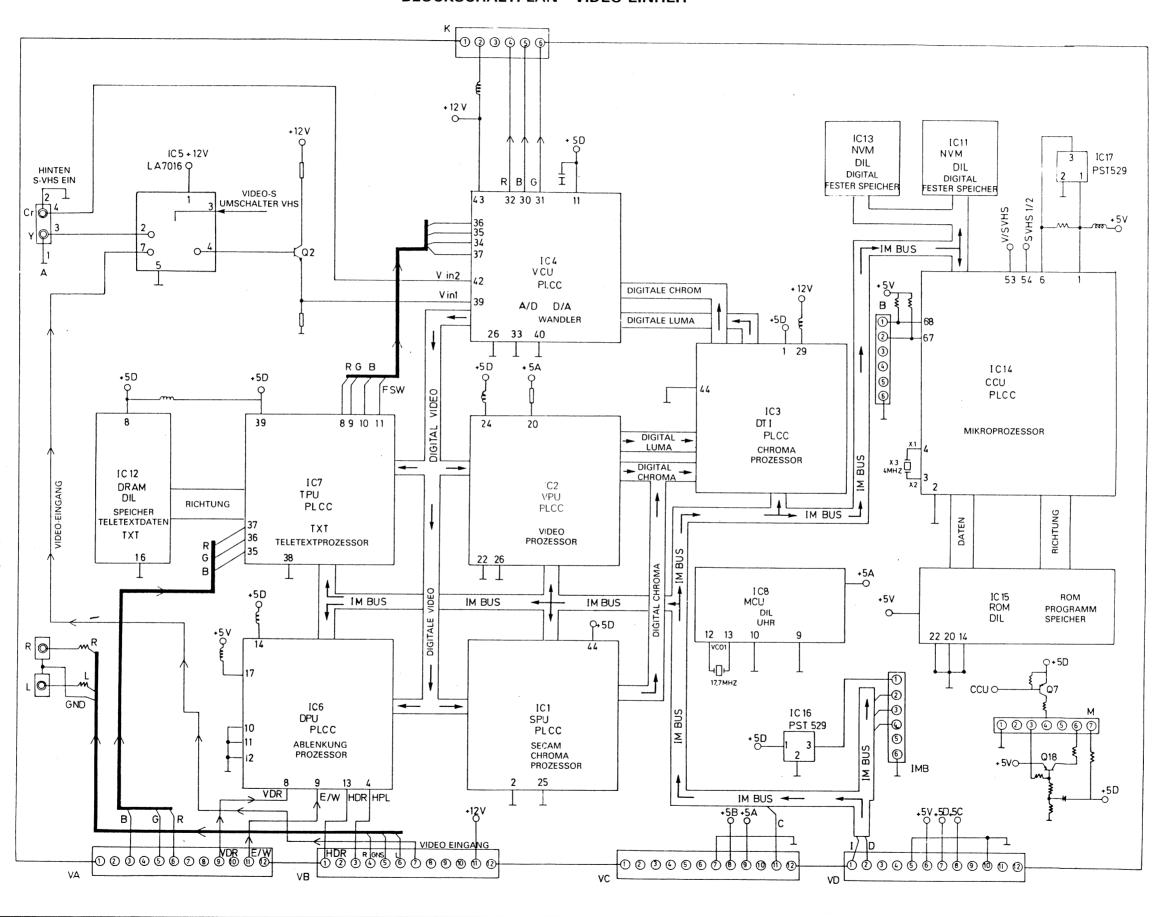


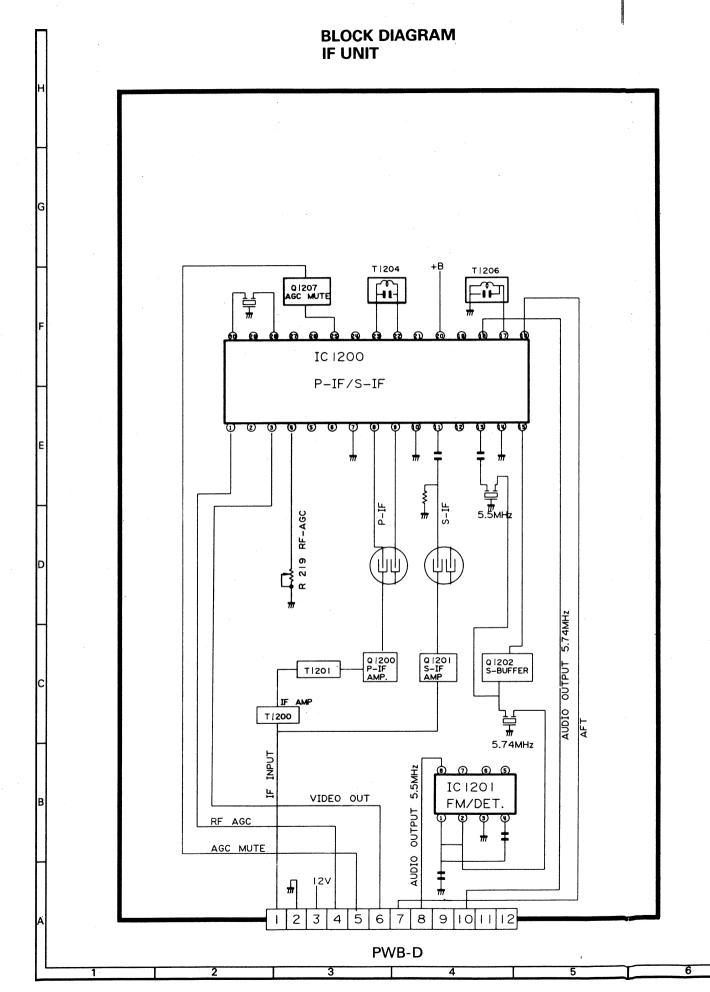






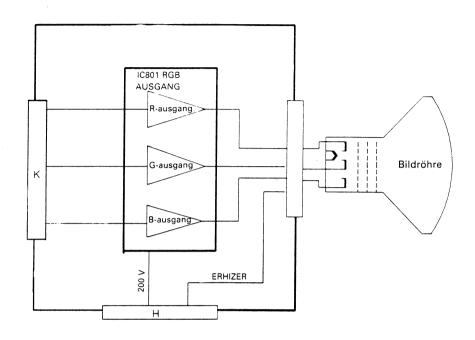
BLOCKSCHALTPLAN VIDEO-EINHEIT



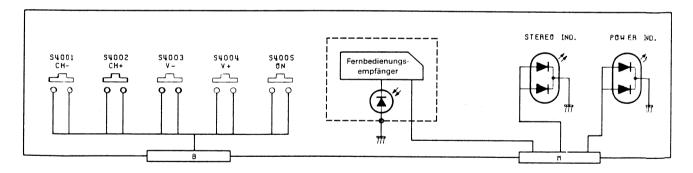


BLOCKSCHALTPLAN

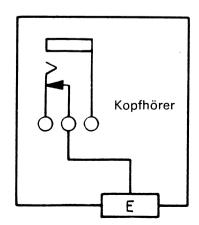
BILDRÖHRENPLATINE

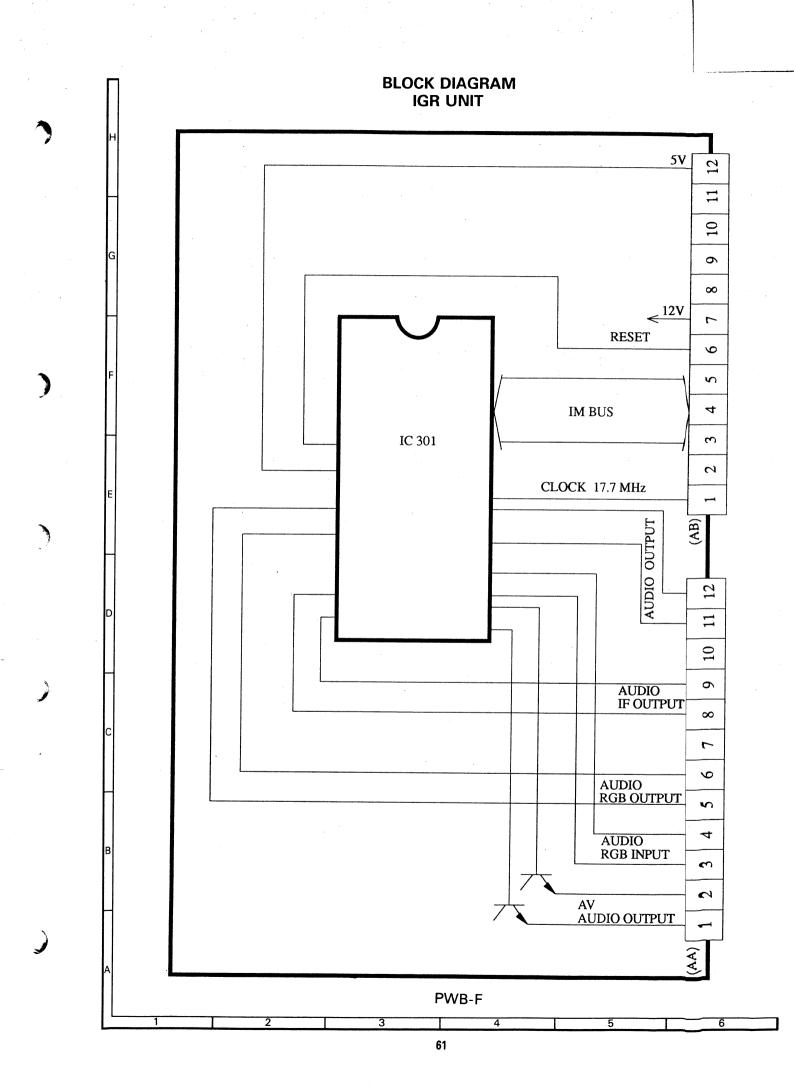


TASTE-EINHEIT

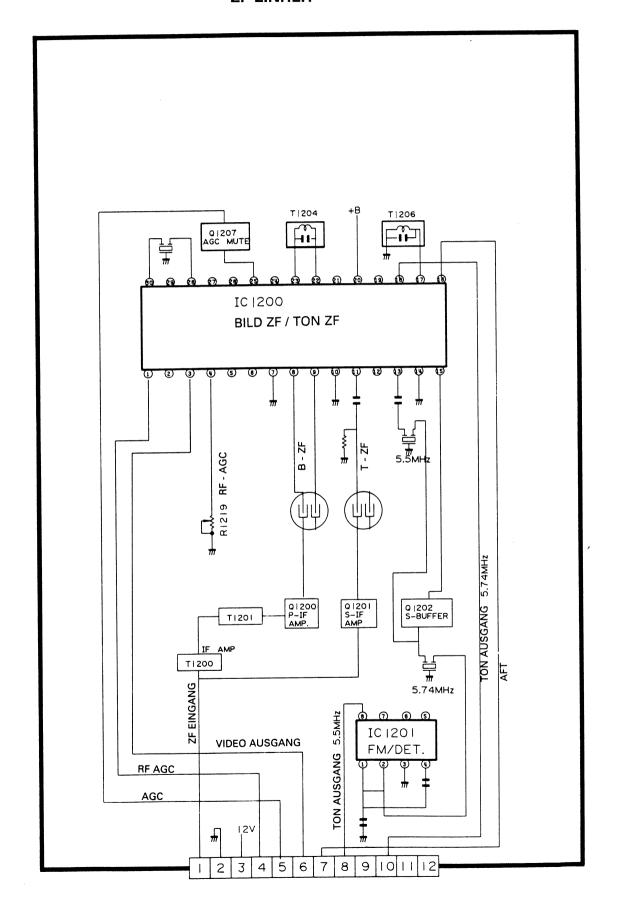


KOPFHÖRER-EINHEIT





BLOCKSCHALTPLAN ZF-EINHEIT



PARTS LIST

REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by $\hat{\triangle}$ in the Replacement Parts list.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER

2. REF. NO.

3. PART NO.

4. DESCRIPTION

5. CODE

6. QUANTITY

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschaften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenschaften sind in dem Ersatzteil durch 🛆 gekennzeichnet. Der Gebrauch von Ersatzteilen, die nicht dieselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen und in der Bedienungsanleitung, angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

WIE MAN ERSATZTEILE BESTELLT

Damit Ihre Bestellung prompt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.

2. REF. NR.

3. ERSATZTEIL NR.

4. BESCHREIBUNG

5. KODE

6. QUANTITÄT

| EF. NO. EF. NR. | PART NO. TEIL NR. | ★ DESCRIPTION | | BESCHREIBUNG | CODE | |
|------------------------------------|----------------------|---------------|---|---|----------|--|
| | | | PICTURE TUBE | BILDRÖHFE | | |
| $\stackrel{\triangle}{\mathbb{A}}$ | VB59EAK0101*N | S | CRT (DV6301S) | Kathodenstrahlröhre (DV6301S) | C | |
| | VB66EAK5101*N | S | CRT (DV7001S) | Kathodenstrahlröhre (DV7001S) | C | |
| <u> </u> | CCILG0303WEV1 | S | Degausing Coil (DV6301S) | Entmagnetisierungsspüle (DV6301S) | A | |
| \triangle | CCILG0303WEV1 | S | Degausing Coil (DV7001S) | Entmagnetisierungsspüle (DV6301S) | A | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | PRINTED WIRING BOARD ASSEMBLIES | LEITERPLATTENEINHEITEN | <u> </u> | |
| | | . 1 | (Not replacement item, except Video Unit) | (keine Ersatzartikel, ausgenommen V ರಕ್ಷ-Einheit) | | |
| WB-A | - | | Mother Unit | Hauptplatine | - | |
| WB-B | DUNTK7001CJW2 | s | Video Unit | Video-Einheit | C | |
| WB-C | _ | | CRT Socket Unit | Bildröhrenplatine | - | |
| WB-D | _ | | IF Unit | ZF-Einheit | - | |
| WB-E | - | | Control Unit | Regler-Einheit | - | |
| WB-F | | | IGR Unit | Audio-Einheit | - | |
| | | | | | | |
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| | | | | | 1 | |

| REF. NO. REF. NR. | PART NO. TEIL NR. | * | DESCRIPTION | BESCHREIBUNG | CODE |
|----------------------|--------------------------------|---|---|---|----------|
| PWB-A | | | MOTHER UNIT | HAUPTPLATINE | |
| | | | TUNER | TUNER | |
| | | | NOTE: The parts shown here are supplied as an assembly but no separately. | HINWEIS: Die hier aufgeführten bauteile werden nur als ganzer bausatz geliefert. | |
| | VTUVTSA1SPL// | s | VHF/UHF Interband Tuner | VHF/UHF-Interband Tuner | вн |
| - | | | INTEGRATED CIRCUITS | INTEGRATIONSKREISE | |
| IC 0501 | RH-IX1413BMZZ | s | | | AS |
| IC 0601 | VHIUPC358C/-1 | J | | | AD |
| IC 0603 | RH-IX1185BMZZ | s | | | AG |
| IC 0003 | RH-IX1434BMZZ | s | · . | | AW |
| IC 0701 | RH-IX1420BMZZ | S | | | AT |
| | | S | | | AG |
| IC 0703 | RH-IX1184BMZZ | 1 | | | AD |
| IC 1210 | VHIUPC358C/-1 | J | | • | AG |
| IC 1211 | RH-IX0249CEZZ | J | | | AG |
| IC 1304, | RH-IX1400BMZZ | S | | | A |
| 1305, IC 1315, | RH-IX1401BMZZ | s | | | AV- |
| | | | TRANSISTORS | TRANSISTOREN | <u> </u> |
| | | | | | т |
| Q 0421, | VS2SC1815GW-1 | J | | | AB |
| Q 0601 | VS2SD1546//2E | S | | | AV |
| Q 0602 | VS2SC2271-D1A | J | | | AD |
| Q 0603 | VS2SD1913S/1E | J | | | AD |
| Q 0701 | VS2SD1546//2E | s | | | AV |
| Q 0705 | VS2SA933QR/1E | s | | | AB |
| Q 0706 | VS2SD1913S/1E | J | | · | AD |
| Q 0707 | VS2SA1015Y/1E | J | | ; | AC |
| Q 0708 | VS2SC1815GW-1 | J | · | | AB |
| Q 0709, | VS2SA1015Y/1E | J | | · | AC |
| 1301 | | | | | |
| Q1302 | VS2SC1815GW-1 | J | | | AB |
| | | | DIODES | DIODEN | |
| D 0410 | RH-DX0045BMZZ | s | 1N4148 | | AA |
| D 0501 | RH-DX0127CEZZ | J | | | AC |
| D 0501 | RH-DX0127CEZZ | J | · | + | AB |
| 0502, | III-DAOTTOCLEE | " | | | |
| D 0505 | PH EY0/37PM77 | s | Zener 12 V 1 W | | AC |
| D 0505 D 0506 | RH-EX0437BMZZ RH-DX0502BMZZ | S | 1N4005 | | AB |
| | | S | 1N4148 | | AA |
| D 0510 | RH-DX0045BMZZ | ı | 1114-11-0 | | AD |
| D 0601 | RH-DX0246CEZZ | J | | | AC |
| D 0603 | RH-DX0226CEZZ | S | | | AK |
| D 0605 | RH-DX0299BMZZ | | | | AM |
| D 0606 | RH-DX0301BMZZ | S | | | AD |
| D 0611 | RH-DX0156TAZZ | J | | | AD |
| D 0612 | RH-DX0073CEZZ | J | 18/41/49 | | 1 |
| D 0701 | RH-DX0045BMZZ | S | 1N4148 | | A.A |
| D 0702 | RH-DX0126CEZZ | J | 7 P7V70C0V2 | | A.C |
| D 0703 | RH-EX0413BMZZ | S | Zener BZX79C8V2 | | A.B |
| D 0704 | RH-EX0405BMZZ | S | Zener BZX79C3V9 | | A B |
| D 0705 | RH-DX0126CEZZ | J | | | A.C |
| D 0707, | RH-DX0240CEZZ | J | | | A⊾B |
| 0708 | | | | | A.K |
| D 0709 | RH-DX0299BMZZ | S | | | |

| DEE NO | DARTNO | T- | | | CODE |
|----------------------|--------------------------------|----|-------------------|------------------------------|----------|
| REF. NO. REF. NR. | PART NO. TEIL NR. | * | DESCRIPTION | BESCHREIBUNG | KODE |
| D 0711, | RH-DX0240CEZZ | J | · | | AB |
| 0712 | | | | | |
| D 0714, | RH-DX0045BMZZ | s | 1N4148 | | AA |
| 0716, | | | • | | |
| 0718, | | | | | |
| 0719, | • | | | | İ |
| 0720, | | | | | |
| 0723 | | | | | |
| D 0724 | RH-EX0423BMZZ | S | Zener BZX79C22V | Zenerdiod | AB |
| D 0732, | RH-DX0045BMZZ | S | 1N4148 | | AA |
| 1212, | | | | | |
| 1341, | • | | | | |
| 1342, | | | | | |
| | | | • | | |
| | L | .1 | | <u> </u> | <u></u> |
| | | | PACKAGED CIRCUIT | SCHALTANORDNUNG IN EINHEIT | |
| PR 0701 | RMPTP0028CEZZ | J | PTC | · | AF |
| · | | J | COILS | SPULEN | |
| | VD D54001/2005 | T | | | 1 45 |
| L 0413 | VP-DF120K0000 | S | 12 μΗ | | AB |
| L 0511 | VP-DF1R0M0000 | S | 1 μΗ | | AE |
| L 0601 | RCILP0088CEZZ | J | Peaking | | AG AG |
| L 0602 | RCILZ0599CEZZ | J | | | AG |
| L 0603 L 0604 | RCILP0105CEZZ RCILP0104CEZZ | J | | | AG |
| L 0604 | VP-DF2R2K0000 | S | 2.2 μΗ | | AB |
| L 0605 | VP-DF120K0000 | S | 12 μH | | AB |
| L 0609, | VP-DF1R0M0000 | s | 1 μΗ | | AE |
| 0610 | V1 - 11 11 10 10 10 00 0 | | , p. 1 | | |
| L 0702 | RCILF0154CEZZ | J | | | AG |
| L 0703 | VP-DF2R2K0000 | s | 2,2 μΗ | | AB |
| L 0705 | VP-DF120K0000 | s | 12 µH | | AB |
| L 1210, | | | | | |
| 1211 | | | | | |
| L 1212 | VP-DF3R3K0000 | s | 3,3 μH | | AB |
| L 1230 | VP-DF1R0M0000 | s | 1 μΗ | | AE |
| L 1312 | VP-DF3R3K0000 | s | 3,3 μΗ | | AB |
| L 1313 | RCILP0110CEZZ | j | | | AC |
| L 1330 | VP-DF1R0M0000 | s | 1 μΗ | | AE |
| 1331, | | | | | |
| 1332 | | | | | |
| , | | | CERAMIC FILTER | KERAMIKFILTER | |
| CF 0401 | RFILC0117CEZZ | J | | | AD |
| | | 1 | TRANSFORMERS | TRANSFORMATOREN | <u> </u> |
| A 70004 | DTDNE2000D8477 | | F.B.T. | Rücklauftransformator | ВК |
| | RTRNF2000BMZZ RTRNZ0059CEZZ | S | P.B. I. Driver | Rücklauftransformator Driver | AF |
| | RTRNZ059CEZZ | S | Pulse | Pulse | AQ |
| | RTRNZ0501BMZZ | s | Chopper | Zerhacker | BA |
| | | | r r | | L |
| | | | CONTROL | REGLER | |
| R 0716 | RVR-M4169GEZZ | J | 47 K | | AB |
| | | | | | |

| REF. NO. REF. NR. | PART NO. TEIL NR. | * | | DES | SCRIPTION | BESCHREIBUNG | KODE |
|----------------------|--------------------------------|----|---------------|--------------|----------------|----------------|----------|
| | | | | CA | APACITORS | KONDENSATOREN | |
| C 0464, | VCCSPA1HL101J | J | 100p | 50 V | Ceramic | Keramik | AA |
| C 0471 | VCEAAA1AW477M | S | 470 | 10 V | Electrolytic | Elektrolyt | AB |
| C 0501 | VCKYPA2HB102K | J | 1000p | 500 V | Ceramic | Keramik | AA |
| C 0502 | VCEAGH1VW228M | J | 2200 | 35 V | Electrolytic | Elektrolyt | AE |
| C 0503 | VCCSPA1HL101J | J | 100p | 50 V | Ceramic | Keramik | AA |
| C 0504 | VCEAAA1VW337M | S | 330 | 35 V | Electrolytic | Elektrolyt | AD |
| C 0505 | RC-FZ9224BMNJ | S | 0.22 | 50 V | Mylar | Mylar | AD |
| C,0508 | RC-FZ9333BMNJ | S | 0.033 | 63 V | Mylar | Mylar | AB |
| C 0511 | VCSATA1VE105K | J | 1 | 35 V | Tantalum | Tantal | AD |
| C 0512 | VCEAAA1VW107M | S | 100 | 35 V | Electrolytic | Elektrolyt | AB |
| C 0513 | RC-FZ9684BMNJ | S | 0.68 | 63 V | Mylar | Mylar | AF |
| C 0514 | VCEAGH1EW228M | J | 2200 | 25 V | Electrolytic | Elektrolyt | AE |
| C 0601 | RC-EZ0258CEZZ | J | 100 | 200 V | Electrolytic | Elektrolyt | AH |
| C 0602 | VCKYPA2HB102J | J | 1000p | 500 V | Ceramic | Keramik | AA |
| C 0603 | VCFPPD2DB474J | J | 0.47 | 200 V | Mylar | Mylar | AE |
| C 0606 | RC-FZ9224BMNJ | S | 0.22 | 50 V | Mylar | Mylar | AD |
| C 0612 | VCFPPD2DB474J | J | 0.47 | 200 V | Mylar | Mylar | AE |
| C 0613 | VCKYPA2HB271K | J | 270p | 500 V | Ceramic | Keramik | AA |
| C 0614 | VCFPPD2DB474J | J | 0.47 | 200 V | Mylar | Mylar | AE |
| C 0615 | RC-FZ0059CEZZ | J | 9100p | 2 kV | Mylar | Mylar | AE |
| C 0616 | VCQPSC2GA273K | J | 0.027 | 400 V | Mylar | Mylar | AB |
| C 0617 | VCQYSH1HM103K | J | 0.01 | 50 V | Mylar | Mylar | AA |
| C 0618 | VCKYPA2HB102K | J | 1000p | 500 V | Ceramic | Keramik | AA |
| C 0619 | VCFPPD2DB474J | J | 0.47 | 200 V | Mylar | Mylar | AE |
| C 0620 | RC-KZ0024CEZZ | J | 1000p | 2 kV | Ceramic | Keramik | AC |
| C 0621 | VCCSPA2HL121K | J | 120p | 500 V | Ceramic | Keramik | AA |
| C 0623 | VCQYSH1HM222K | J | 2200p | 50 V | Mylar | Mylar | AA |
| C 0624 | VCEAAA1EW337M | S | 330 | 25 V | Electrolytic | Elektrolyt | AD AD |
| C 0625 | RC-EZ0131TAZZ | J | 10 | 250 V | Electrolytic | Elektrolyt | AA AA |
| C 0626, | VCKYPA2HB102K | J | 1000p | 500 V | Ceramic | Keramik | ,,44 |
| 0627 | | ١. | | 200.14 | N.A. alman | Balan | AD |
| C 0631 | VCQYSH2DM104K | J | 0.1 | 200 V | Mylar | Mylar | AD |
| C 0701 | RC-FZ9224BMNJ | S | 0.22 | 50 V | Mylar | Mylar Mylar | AB |
| C 0702 | RC-FZ9105BMNJ | S | 1 | 63 V 50 V | Mylar Mylar | Mylar | AA |
| C 0704 | VCQYSH1HM102K | J | 1000p 100p | 50 V 50 V | Ceramic | Keramik | AA A |
| C 0706 | VCCSPA1HL101J | J | 470 | 10 V | Electrolytic | Elektrolyt | AB |
| C 0710 C 0711 | VCEAAA1AW477M RC-FZ9102BMNJ | S | 1000p | 50 V | Mylar | Mylar | AB |
| | | S | 0.68 | 63 V | Mylar | Mylar | AF |
| C 0713 C 0715 | RC-FZ9684BMNJ VCEAGA1CW228M | s | 2200 | 16 V | Electrolytic | Elektrolyt | AG |
| | VCEAGATCW228M | s | 2200 | 35 V | Electrolytic | Elektrolyt | AH |
| C 0717, 0718 | VOLAANIVVVZZOIVI | | 2200 | 33 v | 2.000.017.00 | | |
| C 0719 | VCEAAA0JW108M | s | 1000 | 6.3 V | Electrolytic | Elektrolyt | AD |
| C 0719 | VCFPPD3CA222J | J | 2200p | 1600 V | Mylar | Mylar | AD |
| C 0723 | RC-KZ0029CEZZ | J | 0.01 | 250 V | Ceramic | Keramik | AC |
| 0725 | , TO REGULES | ١ | | • | = = - = | | |
| △C 0726 | RC-FZ0070BMZZ | s | 0.1 | 250 V | Mylar | Mylar | AF |
| C 0727, | RC-KZ0029CEZZ | J | 0.01 | 250 V | Ceramic | Keramik | AÇ |
| 0728 | | ١ | | | | | |
| △ C 0731 | RC-FZ0070BMZZ | s | 0.1 | 250 V | Mylar | Mylar | AF |
| C 0732 | VCEAGA1CW228M | s | 2200 | 16 V | Electrolytic | Elektrolyt | ₽G |
| C 0734 | VCEAAA1HW107M | s | 100 | 50 V | Electrolytic | Elektrolyt | AC |
| C 0735 | RC-EZ0239CEZZ | J | 330 | 400 V | Electrolytic | Elektrolyt | AS |
| C 0736 | VCEAAA1EW477M | s | 470 | 25 V | Electrolytic | Elektrolyt | ₽B |
| ∆ C 0740, | RC-KZ0022CEZZ | J | 4700p | 2 kV | Ceramic | Keramik | AD |
| △ 0741 | | | • | | | | |
| C 0745 | VCCSPA1HL470J | J | 47p | 50 V | Ceramic | Keramik | AA |
| C 0747 | RC-FZ9105BMNJ | s | 1 | 63 V | Mylar | Mylar | AA |
| C 1260 | VCCSPA1HL331J | J | 330p | 50 V | Ceramic | Keramik | AA |
| C 1271 | RC-FZ9104BMNJ | s | 0.1 | 50 V | Mylar | Mylar | AB |
| C 1274 | VCEAAA1CW337M | s | 330 | 16 V | Electrolytic | Elektrolyt | AA |
| C 1342, | VCQYSH1HM223K | J | 0.022 | 50 V | Mylar | Mylar | ₽B |
| 1351 | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| REF. NO. REF. NR. | PART NO. TEIL NR. | * | | DE | SCRIPTION | BESCHREIBUNG | CODE KODE |
|--------------------------|---|---|--------------------|---------------|-----------------------|--------------------------|--------------|
| | | | RESIST | ORS | | WIDERSTÄNDE | |
| R 0475 | RR-XZ0035TAZZ | J | 22 | 1/2 W | Fuse Resistor | Sicherungswiderstand | AB |
| R 0501, | VRG-RL2HB1R0K | J | 1 | 1/2 W | Fuse Resistor | Sicherungswiderstand | AB |
| 0505 | | | | | | | |
| R 0520 | VRS-VV3DB561J | S | 560 | 2 W | Metal Oxide | Metalloxid | AA |
| R 0601 | VRN-SV2HBR22J | J | 0.22 | 1/2 W | Metal Film | Metallschicht | AA |
| R 0606 | VRW-KX3HC682K | J | 6.8 k | 5 W | Cement | Zement | AD |
| R 0609 | RR-XZ0027CEZZ | J | 2.2 | 1/2 W | Fuse Resistor | Sicherungswiderstand | AB |
| R 0625 | VRN-SV2HBR22J | J | 0.22 | 1/2 W | Metal Film | Metallschicht | AA |
| R 0627 | VRG-RL2HB390J | J | 39 | 1/2 W | Fuse Resistor | Sicherungswiderstand | AB |
| R 0632 | VRW-KX4AC100K | J | 10 10 | 10 W · | Cement Metal Oxide | Zement Metalloxid | AD AA |
| R 0707 | VRS-VV3DB100J VRG-RL2HB390J | J | 39 | 2 VV 1/2 W | Fuse Resistor | Sicherungswiderstand | AB |
| R 0711 | VRG-RL2HB3903 VRN-VV3AB3R3J | J | 3.3 | 1/2 VV 1 W | Metal Film | Metallschicht | AA |
| R 0728 | VRS-VV3LB183J | s | 18 K | 3 W | Metal Oxide | Metalloxid | AC |
| R 0734 | VRW-KX3HC471K | J | 470 | 5 W | Cement | Zement | AD |
| R 0736 | VRN-VV3DBR22J | s | 0.22 | 2 W | Metal Film | Metallschicht | AB |
| R 0737 | VRW-KX41C4R7K | J | 4.7 | 15 W | Cement | Zement | AE |
| R 0738 | VRN-VV3DBR22J | s | 0.22 | 2 W | Metal Film | Metallschicht | AB |
| | VRC-UA2HG825K | J | 8.2 M | 1/2 W | Solid | Massiv | AA |
| △ 0741 | *************************************** | | 0.2 | | 55,,2 | | |
| R 0751, 0752, 0753 | VRN-SV2HBR22J | J | 0.22 | 1/2 W | Metal Film | Metallschicht | AA |
| R 1333, 1343 | VRG-RL2HB3R3J | J | 3.3 | 1/2 W | Fuse Resistor | Sicherungswiderstand | АВ |
| | | | | | | | |
| | | | MISCEL | LANEOUS | PARTS | SONSTIGE TEILE | |
| △ F 0701 | QFS-C2022TAZZ | s | Fuse T2 | Α | | Sicherung | AE |
| FB 0403, | RBLN-0037CEZZ | J | Ferrite E | Bead | | Ferritperle | AB |
| 0601 FB 0602, | RBLN-0010CEZZ | J | Ferrite E | Bead | | Ferritperle | AC |
| 0603 FB 0701, | RBLN-0037CEZZ | J | Ferrite B | Bead | | Ferritperle | АВ |
| 0702, 0703, | | | | | | | |
| 0704, | | | | | | | |
| 0705, | | | | | | | |
| 1300, | | | | | | | |
| 1301 | | | | | | | |
| FH 0701 | QFSHD1009CEZZ | J | Fuse Ho | | | Sicherungschalterung | AA |
| FH 0702 | QFSHD1010CEZZ | | Fuse Ho | | | Sicherungschalterung | AA |
| ∆ S0701 | QSW-P0418CEZZ QSOCZ2107BMZZ | S | Power S RGB Cor | | | Netschalter | AK AK |
| | USUCZZ IU/DNIZZ | 3 | 100 C01 | mediol | | RGB 21 Pin Euroverbinder | AK |
| | | | | | | · | |
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| REF. NO. | | | | | |
|---|---|----------|---|---|-------|
| REF. NR. | PART NO. TEIL NR. | | | BESCHREIBUNG | CODE |
| PWB-B | | | VIDEO UNIT | VIDEO-EINHEIT | |
| | | | INTEGRATED CIRCUITS | INTEGRATIONSKREISE | |
| IC 1401 | RH-IX1402BMZZ | s | | | Tav |
| IC 1402 | RH-IX1403BMZZ | s | | | AY |
| IC 1402 | RH-IX1423BMZZ | s | | | AY |
| IC 1403 | RH-IX1425BMZZ | s | | | BB |
| | 1 | 1 | | | BA |
| IC 1405 | VHILA7016//-1 | J | | | AH |
| IC 1406 | RH-IX1406BMZZ | S | | | AZ |
| IC 1407 | RH-IX1442BMZZ | S | | | BD |
| IC 1408 | RH-IX1422BMZZ | S | | | AP |
| IC 1411 | CH-IX1409CJSD | S | | | AU |
| IC 1412 | RH-IX1410BMZZ | S | | | AW |
| IC 1414 | RH-IX1411BMZZ | S | | | ВС |
| IC 1415 | CH-IX1412CJS4 | s | | | AZ |
| IC 1416, | VHIPST529C2-1 | J | | | AD |
| 1417 | | | | | |
| | - | I | TRANSISTORS | TRANSISTOREN | 1 |
| Q 1402 | VS2SC2412KQ-1 | s | | | T |
| Q 1402 | VS2SC2412KQ-1 | S | | | AB |
| 1403, | V323A1037KQ-1 | 3 | | | AB |
| | VC2CC2412KO 1 | | | | l |
| Q 1408 | VS2SC2412KQ-1 | S | | | AB |
| Q 1409, | VS2SA1037KQ-1 | S | | | AB |
| 1418 | | | | · | |
| | | | DIODES | DIODEN | |
| D 1401, | VHDDAN202K/-1 | s | Diode SMD | | AB |
| 1402, | | | | | |
| 1403, | | | | | |
| | | | | | i |
| 1404, | | | | | .] |
| 1404, 1405, | | | | | |
| 1405, | | | | | |
| 1405, 1406, | | | | | |
| 1405, 1406, 1409, | | | | | |
| 1405, 1406, 1409, 1411, | | | | | |
| 1405, 1406, 1409, 1411, 1412, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, | · | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, | | | | | |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, 1421 | RH-EX0412BMZZ | S | Zener Diode BZX79C7V5 | Zenerdiode | AB |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1420, 1421 D 1422 D 1423, | RH-EX0412BMZZ RH-DX0045BMZZ | 00 | Zener Diode BZX79C7V5 1N4148 | Zenerdiode | AB AA |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, 1421 D 1422 D 1423, 1424, | 1 | 1 1 | | Zenerdiode | ì |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1420, 1421 D 1422 D 1423, | 1 | 1 1 | | Zenerdiode | ì |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, 1421 D 1422 D 1423, 1424, | 1 | 1 1 | | Zenerdiode | ì |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, 1421 D 1422, D 1423, 1424, 1425 | RH-DX0045BMZZ | s | 1N4148 | | AA |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, 1421 D 1422 D 1423, 1424, 1425 D 1430 | RH-DX0045BMZZ | s | 1N4148 | | AA |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1419, 1420, 1421 D 1422 D 1423, 1424, 1425 D 1430 1431 | RH-DX0045BMZZ | s | 1N4148 | | AA |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1420, 1421 D 1422 D 1423, 1424, 1425 D 1430 1431 1432 | RH-DX0045BMZZ RH-EX0412BMZZ | s | Tener Diode BZX79C7V5 PACKAGED CIRCUITS | Zenerdiode SCHALTANORDNUNG IN EINHEIT | AB |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1420, 1421 D 1422 D 1423, 1424, 1425 D 1430 1431 1432 | RH-DX0045BMZZ RH-EX0412BMZZ RCRSB0200BMZZ | s s | Tener Diode BZX79C7V5 PACKAGED CIRCUITS Crystal 17.73 MHz | Zenerdiode SCHALTANORDNUNG IN EINHEIT Quarz | AB AN |
| 1405, 1406, 1409, 1411, 1412, 1413, 1416, 1417, 1418, 1420, 1421 D 1422 D 1423, 1424, 1425 D 1430 1431 1432 | RH-DX0045BMZZ RH-EX0412BMZZ | s | Tener Diode BZX79C7V5 PACKAGED CIRCUITS | Zenerdiode SCHALTANORDNUNG IN EINHEIT | AE |

| | PART NO. TEIL NR. | * | r | DESCRIPTION | BESCHREIBUNG | COD | | |
|--|---|---------------|---|--|--|--------------------------------|--|--|
| | | | COILS | | SPULEN | | | |
| L 1402 L 1403 | | S | | | SMD | AB | | |
| 1404 | | S | i μH SMD | | SMD | AC | | |
| L 1411 | | s | 10 μH SMD | | SMD | АВ | | |
| 1412 1413 | | | • | | | 1.0 | | |
| 1414 | , | | | | | | | |
| 1415 | | | | *************************************** | | | | |
| | | | CAPACITORS | | KONDENSATOREN | | | |
| C 1407 C 1411 | VCEAAA0JW477M VCCCTQ1HH560J | S | | Electrolytic | Elektrolyt | AC | | |
| C 1416 | VCEAAA0JW108M | S | | Electrolytic | SMD | AA | | |
| C 1425 | VCCCTQ1HH470J | S | | Electrolytic | Elektrolyt SMD | AD | | |
| C 1436 | VCCSTQ1HL471J | s | | | SMD | AA | | |
| C 1440 | VCCCTQ1HH101J | s | 100p SMD | | SMD | AB | | |
| C 1441 | VCCSTQ1HL471J | S | 470p SMD | | SMD | AA AB | | |
| C 1445, | RC-FZ9683BMNJ | S | 0.068 63 V | Mylar | Mylar | AB | | |
| 1446 | | | | | | 1 40 | | |
| C 1465 C 1472 | VCEAAA1CW477M VCCSTQ1HL331J | S | 470 16 V | Electrolytic | Elektrolyt | AC | | |
| C 1472 | VCCSTQ1HE331J | S | 330p SMD | | SMD | AB | | |
| C 1480 | VCEAAA1AW477M | S | 33p SMD 470 10 V | Elogenstrat | SMD | AA | | |
| C 1486 | VCCSTQ1HL102K | S | 1000p SMD | Electrolytic | Elektrolyt | AB | | |
| C 1487, | VCCCTQ1HH101J | s | 1000p SMD | | SMD | AB | | |
| 1488, | | | 100p SIVID | | SMD | AA | | |
| 1489, | | | | | | | | |
| 1490, | | | | | | | | |
| 1491 | | | | | | | | |
| C 1493, | VCCSPA1HL330J | S | 33p 50 V | Ceramic | Keramik | AA | | |
| 1494, | | | | | | 1 44 | | |
| 1495 C 1496 | VCCSTQ1HL222K | | 2000 | | | | | |
| C 1430 | VCCSTUTHLZZZK | S | 2200p SMD | | SMD | AB | | |
| | | | MISCELLANEOU | JS PARTS | SONSTIGE TEILE | | | |
| S 1401 | QSW-K0033GEZZ | S | Push Button | | Taste | | | |
| FB 1401, | RBLN-0020CEZZ | J | Ferrite Bead | | | AB | | |
| 1402 | | | , ormo Boad | | Ferritperle | AB | | |
| | QJAKE0054CEZZ | J | Connector Jack | | Verbinder Buchse | | | |
| | QJAKE0055CEZZ | J | Connector Jack | | Verbinder Buchse | AC | | |
| | QSOCD0405CEZZ | J | Socket | | Fassung | AC | | |
| | QSOCZ0100BMZZ | s | Socket 8 PIN | | Fassung 8 PINS | AE | | |
| | QSOCZ0101BMZZ | s | Socket 28 PIN | | Fassung 28 PINS | AB | | |
| | | 9 | | | rassunu zo riivo | I AE | | |
| PWB-C | | | CRT SOCKET UNI | Г | | AE | | |
| PWB-C | | | CRT SOCKET UNI | | BILDRÖHRENPLATINE | AE | | |
| | | | CRT SOCKET UNI | | | AE | | |
| PWB-C | RH-IX1416BMZZ | | | | BILDRÖHRENPLATINE | AS | | |
| | | s | | | BILDRÖHRENPLATINE | | | |
| | | S | INTEGRATED CIF | | BILDRÖHRENPLATINE INTEGRATIONS KREIS | | | |
| IC 1801 | RH-IX1416BMZZ | S | INTEGRATED CIF | | BILDRÖHRENPLATINE INTEGRATIONS KREIS | AS | | |
| IC 1801 | RH-IX1416BMZZ | S | INTEGRATED CIF | RCUIT | BILDROHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN | AS | | |
| L 1801 C 1801 C 1801 C 1802 | RH-IX1416BMZZ VP-CF3R3K0000 | S | INTEGRATED CIF | Ceramic | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik | AS AB | | |
| C 1801 C 1801 C 1802 C 1811 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J | S S J J | INTEGRATED CIF COIL 3.3 µH CAPACITORS 0.01 250 V | RCUIT | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt | AS AB AC AE | | |
| L 1801 C 1801 C 1801 C 1802 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M | S | INTEGRATED CIF COIL 3.3 µH CAPACITORS 0.01 250 V 47 250 V | Ceramic Electrolytic | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik | AS AB AC AE AA | | |
| C 1801 C 1801 C 1802 C 1811 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J | S | COIL 3.3 μH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV | Ceramic Electrolytic Ceramic | BILDROHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik Keramik | AS AB AC AE | | |
| C 1801 C 1801 C 1801 C 1802 C 1811 C 1877 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J | S | COIL 3.3 µH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV RESISTORS | Ceramic Electrolytic Ceramic Ceramic | INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik WIDERSTÄNDE | AS AB AC AE AA AD | | |
| L 1801 C 1801 C 1801 C 1802 C 1811 C 1877 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J RC-KZ0023CEZZ | S | COIL 3.3 µH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV RESISTORS | Ceramic Electrolytic Ceramic | BILDROHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik Keramik | AS AB AC AE AA | | |
| C 1801 C 1801 C 1802 C 1811 C 1877 R 1813, 1823, 1833 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J RC-KZ0023CEZZ VRC-MA2HG272K | S | COIL 3.3 μH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV RESISTORS 2.7 Κ 1/2 W | Ceramic Electrolytic Ceramic Ceramic | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik Keramik WIDERSTÄNDE Massiv | AS AB AC AE AA AD | | |
| C 1801 C 1801 C 1802 C 1811 C 1877 R 1813, 1823, 1833 R 1872 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J RC-KZ0023CEZZ VRC-MA2HG272K VRG-RL2HB221J | | COIL 3.3 μH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV RESISTORS 2.7 K 1/2 W | Ceramic Electrolytic Ceramic Ceramic Solid Fuse Resistor | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik WIDERSTÄNDE Massiv Sicherungswiderstand | AS AB AC AE AA AD AA AB | | |
| C 1801 C 1801 C 1802 C 1811 C 1877 R 1813, 1823, 1823, 1833 R 1872 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J RC-KZ0023CEZZ VRC-MA2HG272K | | COIL 3.3 μH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV RESISTORS 2.7 Κ 1/2 W | Ceramic Electrolytic Ceramic Ceramic | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik Keramik WIDERSTÄNDE Massiv | AS AB AC AE AA AD | | |
| C 1801 C 1801 C 1802 C 1811 C 1877 R 1813, 1823, 1833 R 1872 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J RC-KZ0023CEZZ VRC-MA2HG272K VRG-RL2HB221J | | COIL 3.3 μH CAPACITORS 0.01 250 V 47 250 V 39p 50 V 4700p 2 kV RESISTORS 2.7 K 1/2 W | Ceramic Electrolytic Ceramic Ceramic Solid Fuse Resistor Fuse Resistor | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik WIDERSTÄNDE Massiv Sicherungswiderstand | AS AB AC AE AA AD AA AB | | |
| C 1801 C 1801 C 1802 C 1811 C 1877 R 1813, 1823, 1833 R 1872 R 1873 | RH-IX1416BMZZ VP-CF3R3K0000 RC-KZ0029CEZZ VCEAGH2EW476M VCCSPA1HL390J RC-KZ0023CEZZ VRC-MA2HG272K VRG-RL2HB221J | | COIL 3.3 μH CAPACITORS 0.01 250 V 47 250 V 47 250 V 4700p 2 kV RESISTORS 2.7 K 1/2 W 220 1/2 W 10 1/2 W | Ceramic Electrolytic Ceramic Ceramic Solid Fuse Resistor Fuse Resistor | BILDRÖHRENPLATINE INTEGRATIONS KREIS SPULE KONDENSATOREN Keramik Elektrolyt Keramik Keramik WIDERSTÄNDE Massiv Sicherungswiderstand Sicherungswiderstand | AS AB AC AE AA AD AA AB | | |

| REF. NO. REF. NO. | PART NO. TEIL NR. | * | DESCRIPTION | BESCHREIBUNG | COL |
|-------------------------|-----------------------|------|------------------------|--|----------|
| PWB- | | | IF UNIT | IF-ENHET | |
| | | | INTEGRATED CIRCUITS | INTEGRATIONSKREISE | |
| IC 0200 | RH-IX1286CEZZ | J | | | AN |
| IC 0201 | RH-IX1417BMZZ | S | | | AN |
| | | ···· | TRANSISTORS | TRANSISTOREN | |
| Q 0200, 0201 | VS2SC1906//1E | J | | | AC |
| Q 0202, 0204 0207 | VS2SC1815GW-1 | J | | | AB |
| | | | DIODES | DIODEN | J |
| D 0200 | RH-EX0440CEZZ | J | Zener Diode | Zenerdiode | I AA |
| D 0202 | RH-DX0045BMZZ | s | Diode 1N4148 | Diode | AA |
| | | | COILS | SPULEN | |
| L 0201 | VP-DF120K0000 | s | 12 μΗ | | AB |
| L 0202, | VP-DF560K0000 | s | 56 μH | | AB |
| 0204, | | | | 4 | |
| 0206 | | | | | |
| T 0200 | RCILI0457CEZZ | J | Adj. Trap 40.4 MHz | Einstellung für Sperre | AD |
| T 0201 | RCILI0402CEZZ | J | | | AD |
| T 0203 | RCILI0431CEZZ | J | Coupling | | AD |
| T 0204 | RCILD0190CEZZ | J | | | AD |
| T 0205 | RCILD0151CEZZ | J | A.F.T. Coil | Feinstimmautomatik Spule | AD |
| T 0206, | RCILD0192CEZZ | j | · | The state of the s | AD |
| 0208 | | | | | AD |
| | | | CERAMIC FILTER | KERAMIKFILTER | |
| CF 0202 | RFILC0020CEZZ | J | 5.5 MHz (T 5.5 B) | • | 1 |
| CF 0203 | RFILC0061CEZZ | Ĵ | 5.5 MHz (T 5.5 A) | | AE |
| CF 0205 | RFILC0063CEZZ | J | 3.3 WITE (1 3.3 A) | | AF |
| SF 0200 | RFILC0092CEZZ | J | 38.9 MHz (38.9 G) | | AF |
| SF 0201 | RFILC0198CEZZ | J | 33.0 MHz (33.0 C) | | AL |
| 0. 0201 | | | CONTROLS | REGLER | AH |
| R 0219 | RVR-M4076CEZZ | J | 3.3 K | | |
| R 0219 | RVR-M4071CEZZ |] | RF out Adj. 5.5 MHz | 3,3 K | AB |
| 11 0231 | TIVIT-IVI407 ICLZZ | | CAPACITORS | HF Ausgangeinstellung KONDENSATOREN | AB |
| C 0209, | VCEAAA1CW107M | s | 100 16 V Electrolytic | | |
| 0211, | * OLZAZA 1 CVV 10/1VI | 3 | 100 10 V Electrolytic | Elektrolyt | AB |
| 0211, | | | | | |
| Į. | RC-FZ9334BMNJ | | 0.22 50.1/ \$4.1- | 1 . | |
| 1 | | S | 0.33 50 V Mylar | Mylar | AE |
| C 0225 | VCCCBA1HH103K | J | 0.01 50 V Mylar | Mylar | AA |
| C 0226 | VCCCPA1HH180J | J | 18p 50 V Ceramic | Keramik | AA |
| | VCCCPA1HH100D | 1 | 10p 50 V Ceramic | Keramik | AA |
| | RC-FZ9473BMNJ | 1 1 | 0.047 50 V Mylar | Mylar | ₽B |
| 1 | VCCCPA1HH7R0D | 1 1 | 7p 50 V Ceramic | Keramik | AA |
| | VCCCPA1HH101J | | 100p 50 V Ceramic | , Keramik | AA |
| C 0250, 0261 | VCQYSH1HM223K | 1 | 0.022 50 V Mylar | Mylar | AB |
| 0201 | | | RESISTOR | WIDERSTAND | |
| R 0264 | PD Y70025TA77 | J | 22 16 W. Eugo Desister | | |
| n U264 | RR-XZ0035TAZZ | 11 | 22 1/2 W Fuse Resistor | Sicherungswiderstand | AB |

| REF. NO. REF. NR. | PART NO. TEIL NR. | * | D | ESCRIPTION | BESCHREIBUNG | CODE |
|--|--------------------------------|-----|------------------------------------|--------------|--|----------|
| PWB-E | | | CONTROL UNIT | | REGLER-EINHEIT | |
| | | | DIODES | .* | DIODEN | |
| D 2201, 2202 | RH-PX0077CEZZ | J | Led | | Led | AE |
| | | | | | | |
| | | | MISCELLANEOU | S PARTS | SONSTIGE TEILE | |
| S 4001, 4002, 4003, 4004, 4005 | QSW-K0033GEZZ | S | Push Button | | Taste | АВ |
| S 4007 M 2201 | QSW-S0060TAZZ RRMCU0041GEZZ | J | Standby Switch Remote Control F | Receiver | Standbyschalter Fernbedienungsempfänger | AD AG |
| PWB-F | | | IGR UNIT | | AUDIO-EINHEIT | |
| | | | INTEGRATED CIR | CUITS | INTEGRATIONSKREISE | |
| IC 0301 | RH-IX1445BMZZ | S | | | | BC |
| | | | COIL | | SPULE | |
| L 0302 | VP-NM4R7MR23N | S | 4.7 μH SMD | | SMD | AF |
| | | | CAPACITORS | | KONDENSATOREN | |
| C 0302, | RC-FZ9104BMNJ | s | 0.1 63 V | Mylar | Mylar | AB |
| C 0309, 0310 | RC-FZ9153BMNJ | | 0.015 63 V | Mylar | Mylar | AB |
| C 0311, 0312, 0313 | VCCCTQ1HH681J | S | 680p SMD | | SMD | AB |
| C 0340 C 0341, 0342, 0343 | VCEAAA1CW337M VCCCTQ1HH220J | 1 1 | 330 16 V 0.022 SMD | Electrolytic | Elektrolyt SMD | AA AB |
| C 0344 C 0345 | VCEAAA1AW227M VCCSTQ1HL102K | | 220 10 V 1000p SMD | Electrolytic | Elektrolyt SMD | AC AB |
| | | | | | | |

| REF. NO. REF. NR. | | * | DESCRIPTION | BESCHREIBUNG | CODE |
|--|---|---|---|--|----------------------------------|
| | | | MISCELLANEOUS PARTS | SONSTIGE TEILE | |
| * 🛆 | QACCZ2048CESA RRMCG1014BMSA GDORB1002BMSA VSPRA09PB018B | J S S S | AC Cord Infrared Remote Control Unit Battery cover Speaker | Netzkabeleinheit Infrarotfernbedienungseinheit Batteriedeckel Lautsprecher | AR BL AD BB |
| | | | CABINET PARTS | GEHÄUSE TEILE | |
| 1 1-1 1-2 1-2 1-2 1-2 1-3 1-4 1-5 2 2 2-1 | CCABA1017BMV0 CCABA1016BMV0 GDORF1021BMSA HPNC-1023BMSA HPNC-1024BMSA HPNC-1021BMSA HPNC-1022BMSA HINDP5036BMSA HINDP5037BMSA PKAI-1083CE00 CCABB1027BMV0 CCABB1026BMV0 JBTN-1574BMSA HINDP5041BMSA | 000000000000000000000000000000000000000 | Front Cabinet Assembly (DV6301S) Front Cabinet Assembly (DV7001S) Door Punching Metal (R) (DV6301S) Punching Metal (L) (DV6301S) Punching Metal (R) (DV7001S) Punching Metal (L) (DV7001S) Indicator LED Indicator Door Latch Rear Cabinet (DV6301S) Rear Cabinet (DV7001S) Push button Indicator | Vordergehäuseeinheit (DV6301S) Vordergehäuseeinheit (DV7001S) Türe Gestanztes Bleck (R) (DV6301S) Gestanztes Bleck (L) (DV6301S) Gestanztes Bleck (R) (DV7001S) Gestanztes Bleck (L) (DV7001S) Anzeigeplatte LED anzeigeplatte Türverriegelung Hintergehäuseeinheit (DV6301S) Hintergehäuseeinheit (DV7001S) Taste Anzeigeplatte | BW BB AR AR AR AR AK AH AM BP AC |
| * Remark | : When changing main cord plug must be changed. The cable is kept as a spare • SHARP ELECTRONICS (S • RUDOLPH SCHMIDT A/S • ASA KULUTUS-ELEKTRO • TRANSEL A/S (NORWAY | e part SVENS (DENI ONIIKK | oy: (A) AB (SWEDEN) MARK) | Bei der Auswechselung des Netzkables muß das ganze Kabel mit Stecker ausgewechselt werden. Hat das Kabel als Ersatzteil vorräig. • SHARP ELECTRONICS (SVENSKA) AB (SCHWEDEN) • RUDOLPH SCHMIDT A/S (DÄNEMARK) • ASA KULUTUS-ELEKTRONIKKA OY (FINNLAND) • TRANSEL A/S (NORWEGEN) | |

